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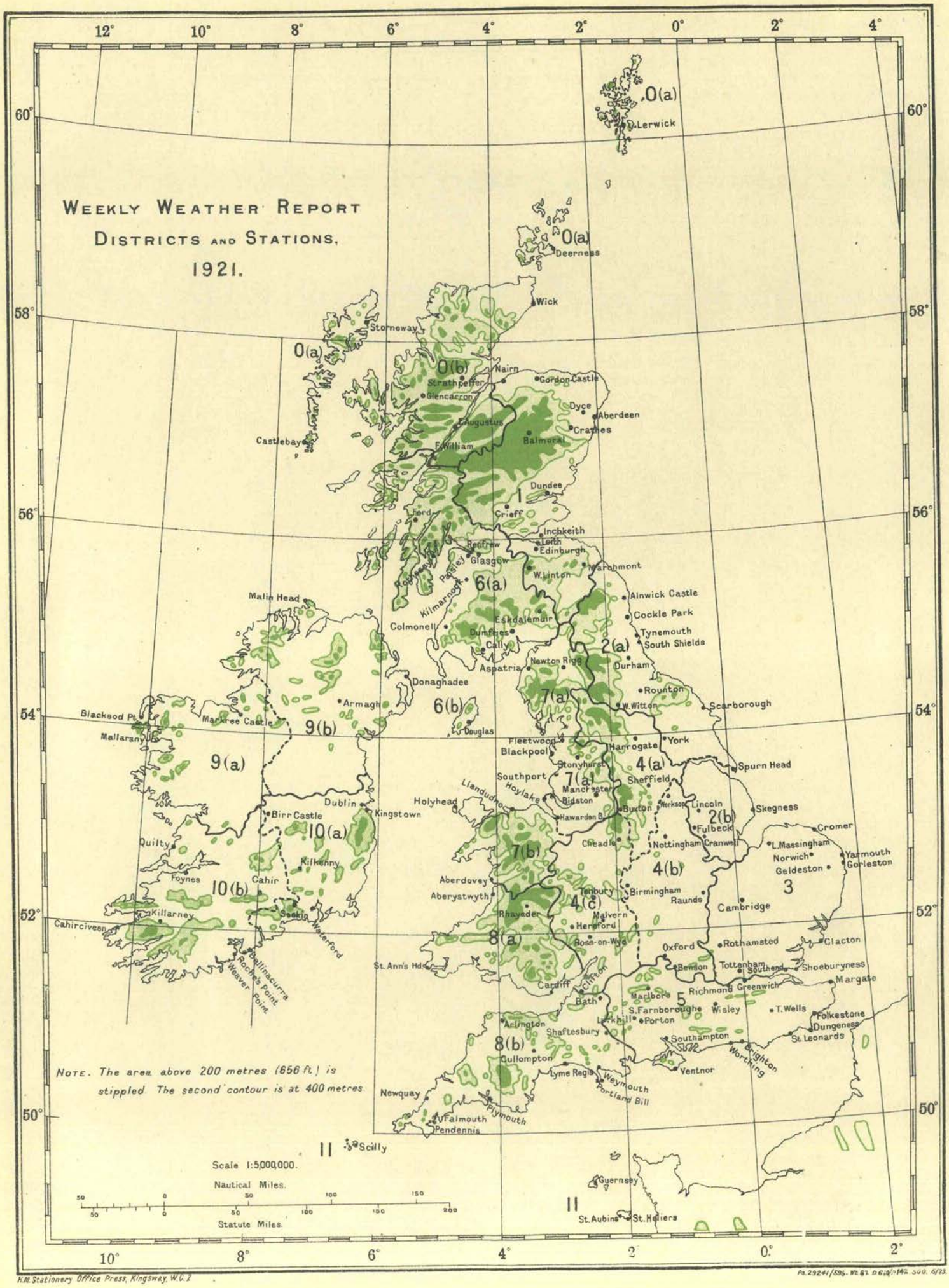

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METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1921.

PART I.

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THE

WEEKLY WEATHER REPORT

(VOL. XXXVIII.—NEW SERIES).

Particulars of Temperature, Rainfall and Bright Sunshine for each week.

Published by the Authority of the Meteorological Committee.

LONDON:
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1923.

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1921.
PARTS I & II.

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PREFACE.

The various serial statistical publications of the Meteorological Office have been grouped since 1911 under the general title British Meteorological and Magnetic Year-Book. The Year-Book for 1921 is the last of the series, and, from 1922, the Monthly and Weekly Weather Reports will be issued as separate publications. The Year-Book for 1921 is in five parts :—

Part I.—The Weekly Weather Report.

Part II.—The Monthly Weather Report.

Part III.—Section 1. Daily readings at stations of the First and Second Orders.

Section 2. The Geophysical Journal of the Observatories of the Meteorological Office.

Part IV.—Hourly Values from Autographic Records.

Part V.—Réseau Mondial. Monthly Values for Stations distributed over the Globe.

THE WEEKLY WEATHER REPORT.

The first number of the *Weekly Weather Report* was that for the first week of February, 1878. There were four pages royal 8vo. A new series commenced in 1884, when the page was enlarged to its present size. A short history of the Report is given in the Introduction for 1916 ; for further information reference may be made to the *Annual Report of the Meteorological Committee for the year ended 31st March*, 1913, p. 37.

The Report formerly consisted of two sections. Section I contained mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and summaries of the autographic records of wind : it is represented by the present volume. The publication of Section II, which consisted of daily weather charts of the North Atlantic and surrounding continents, was suspended in August, 1914. The Appendices published annually up to 1920 have now been discontinued.

A Guide to the Tables contained in the Weekly Issues of the Report is published separately. An explanation of the system adopted in dealing with District Values will be found in the Guide, a copy of which will be found in the volumes for 1920 and 1922.

Two changes in practice have to be recorded as having taken place during the year 1921 :—

Accumulated Temperature.—It became apparent during the spring of 1921 that in the computation of the accumulated temperatures above or below 42° published in the *Weekly Weather Report* a systematic departure had been made from the principles set out by the late Sir Richard Strachey in Appendix II of the *Quarterly Weather Report* for 1878. From the 21st week of 1921, that ending on May 28th, the principles set out by Strachey have been adhered to strictly, but some of the published values for earlier weeks given in this volume or in earlier volumes of the *Weekly Weather Report* require to be amended.

Four cases arise :—

(*a*) When the published value of accumulated temperature below 42° is zero, each of the published values of accumulated temperature above and below 42° is correct.

(*b*) When the published value of accumulated temperature above 42° is zero, each of the published values of accumulated temperature above and below 42° is correct.

(*c*) When the published value of accumulated temperature below 42° is less than that of accumulated temperature above 42°, the former is correct ; the latter should be amended by subtracting half the former from it.

(*d*) When the published value of accumulated temperature above 42° is less than that of accumulated temperature below 42°, the former is correct ; the latter should be amended by subtracting from it half the former and adding fourteen times the excess of the arithmetic mean of the maximum and minimum over the published (Strachey) mean for the week.

It must also be kept in mind that the current values of accumulated temperature as given in the Report are not comparable with the normals for districts published in Table 5*c* of Section II of the Book of Normals. The Deviations from Normal given in successive numbers of the report subsequent to the 20th week are, therefore, subject to small errors. It is proposed to issue a compendium of revised figures in due course.

Extremes of Temperature.—On March 1st, 1921, a change of practice in the method of reporting extremes of temperature was introduced in the Daily Weather Service. From that date the maximum temperature contained in the messages from British Telegraphic Reporting Stations has referred to the interval between the morning observation (7h.) and the evening observation (18h.) and the minimum to the interval between the evening observation (18h.) and the morning observation of the following day (7h.) instead of to the interval of 24 hours ending at the hour of morning observation. A corresponding change was introduced at the stations maintained at certain Health Resorts on April 3rd. These day-maxima and night-minima have been used also in the *Weekly Weather Report* from the dates specified. The stations affected are indicated by the letters *t* and *h* in the column of Table IV of each issue in which the terminal hour is indicated. A memoir is in course of preparation showing the effect of this change of practice on the mean values and their divergencies from the normal.

THE SELECTION OF STATIONS IN 1921.

The stations used in the preparation of the Report and the districts into which the British Isles are divided for meteorological purposes are shown in the Frontispiece Map. Fuller particulars of the stations will be found in the Introduction to the *Monthly Weather Report*. The following changes have been made in the stations used for the computation of values for districts.

District 1. The removal of the telegraphic reporting station from Leith to Inchkeith, an island in the Firth of Forth.

District 2. Weekly returns from Fulbeck having been discontinued the data for Cranwell are now utilised for the computation of Weekly District Values, and for the sake of uniformity for Monthly District Values also.

District 5. The place of Wilton House, Salisbury, was taken by Porton at the beginning of 1921.

District 6. The lapse of weekly and monthly returns from Glasgow Observatory necessitated the omission of District Values of sunshine for this District. The records from Glasgow and Douglas, Isle of Man, had been the basis for District Values for the whole of the area in question (the West of Scotland and the Isle of Man), and the substitution of records from a place with clearer skies than Glasgow would have meant a serious break in the continuity of the series of District Values. As a temperature and rainfall station Renfrew makes a satisfactory substitute for Glasgow Observatory.

District 10. There has been a reduction in the number of stations, observations at Cahir having ceased on the destruction of the observer's residence in the course of hostilities.

The following Table gives the district value stations utilised in 1921.

DISTRICT-VALUE STATIONS, 1921.

District.	Temperature and Rainfall.	Sunshine.	Pressure.
0	Lerwick, Stornoway, Wick, Strathpeffer, Glencarron, Fort Augustus, Fort William... ...	Deerness, Stornoway	Lerwick, Stornoway, Castlebay, Wick.
1	Nairn, Gordon Castle, Aberdeen, Balmoral, Crieff, Leith or Inchkeith, West Linton, Marchmont.	Crathes, Nairn, Aberdeen, Dundee, Marchmont, Edinburgh.	Nairn, Aberdeen, Leith or Inchkeith.
2	Alnwick, Tynemouth, Durham, Rounton, Scarborough, York, Spurn Hd., Lincoln, Cranwell.	Cockle Park, Durham, Scarborough, York, Cranwell, Skegness.	Tynemouth, Spurn Head, Cranwell
3	Cromer, Little Massingham, Yarmouth, Norwich, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Cromer, Little Massingham, Yarmouth, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Yarmouth, Clacton-on-Sea.
4	Harrogate, Worksop, Nottingham, Birmingham, Raunds, Oxford, Cheadle, Tenbury, Hereford, Clifton.	Harrogate, Sheffield, Worksop, Nottingham, Birmingham, Oxford, Ross on Wye, Clifton.	Nottingham, Benson.
5	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Porton. Tunbridge Wells, Dungeness, St. Leonards, Southampton, Ventnor.	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Worthing, Tunbridge Wells, Folkestone, St. Leonards, Southampton, Ventnor.	Dungeness, Richmond (Kew Obs.).
6	Ford, Renfrew, Rothesay, Kilmarnock, Colmonell, Dumfries, Douglas.	... ...	Renfrew, Eskdalemuir.
7	Aspatria, Newton Rigg, Stonyhurst, Blackpool-Southport*, Liverpool, Hawarden Br., Manchester (Whit. Pk.), Llandudno, Holyhead.	Hoylake, Aspatria, Newton Rigg, Stonyhurst, Blackpool-Southport*, Llandudno, Aberdovey.	Liverpool, Holyhead.
8	Rhayader, Pembroke, Cardiff, Bath, Shaftesbury Arlington, Cullompton, Portland, Plymouth, Falmouth.	Aberystwyth, Rhayader, Pembroke, Bath, Cullompton, Plymouth, Falmouth, Newquay.	Pembroke, Portland.
9	Malin Hd., Blacksod Point, Markree Castle, Birr Castle, Armagh, Donaghadee.	Markree Castle, Armagh	Malin Head, Blacksod Point, Donaghadee.
10	Dublin (City), Kilkenny, Waterford, Birr Castle, Foynes, Killarney, Cahirciveen (Val. Obs.), Roches Pt.	Dublin (Phœnix Park), Birr Castle, Cahirciveen (Val. Obs.), Ballinacurra.	Cahirciveen (Val. Obs.) Roches Point, Birr Castle.
11	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey.

* The average of Blackpool and Southport readings is taken as if referring to a single station.

The following changes in the list of District Value Stations took place during the year:—

LEITH. Observations were discontinued after the 26th week.

INCHKEITH. Observations utilised, in place of those discontinued at Leith, from the 27th week onwards.

GLASGOW. Reports were discontinued after the 17th week.

FULBECK. Reports were discontinued after the 24th week.

CRANWELL. Observations were utilised in place of those discontinued at Fulbeck, from the 27th week onwards.

PORTON. Observations utilised from the 8th week onwards.

CAHIR. Observations were discontinued after the 23rd week.

GUERNSEY. The station at BROOKLYN was transferred to GRANGE in June. Observations at VILLA CAREY having ceased on the death of Dr. Carey, the observations at Grange were utilised from October onwards for all the entries for Guernsey in the Table.

The following notes refer to the anemographs utilised for the wind analysis in Tables II and V (cf. *Monthly Weather Report*, Annual Summary, 1921, p. 195).

SHOEBURYNESS. Records from the instrument at this station were defective in July and August, 1921.

GORLESTON. From the fifteenth week onwards, Gorleston took the place of Shoeburyness in representing England E. in the wind-component table (Table II).

PENDENNIS CASTLE. Instrument under repair, June, 1921.

LYME REGIS. Records from this instrument were defective during March and April, 1921.

THE BOOK OF NORMALS.—The normal values of some of the more important meteorological elements have been published from time to time in Appendices to this Report. The last of the series was Appendix IV, 1913, in which normals for periods ending 1910, were set out. "The Book of Normals of Meteorological Elements for the British Isles for periods ending 1915," is being issued in the more convenient form of an octavo volume. Section I contains monthly normals for stations of Temperature, Rainfall and Sunshine, Section II is devoted to Weekly, Monthly, Quarterly and Seasonal Normals for Districts, Section III to maps of the normal distribution of Temperature, Rainfall and Sunshine for the British Isles, and Section IV to the range of variation of Temperature and Rainfall.

Meteorological Office,
London, S.W. 7,
September, 1923.

G. C. SIMPSON,
Director.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 1.

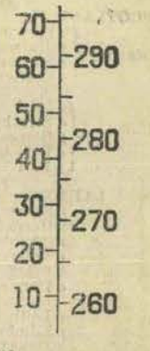
FIRST WEEK.

SUNDAY, JANUARY 2ND, TO SATURDAY, JANUARY 8TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Low pressure systems continued to pass across our Islands in an easterly direction, and the general character of the weather during the week was mild and rainy, with strong westerly or south-westerly winds, especially on the west coast. The mean temperature was again considerably above the normal in all districts, the greatest excess being + 4·7 a in District 3 and the smallest + 2·2 a in District 9. At many stations in England E. and S.E. the excess above the normal, though slightly less than that of the previous week, was as much as 9° F. The highest maxima occurred as a rule during the earlier days of the period, when readings of 288 a were reported at Durham, Llandudno and Foynes. Warm nights were experienced in London and at several stations in England S.E. on the first day of the week, when the minimum did not fall below 283 a. At the end of the week a considerable drop in temperature took place throughout the country generally, but the lowest readings, 268 a in the screen and 266 a on the grass, were recorded over eastern and western Scotland on the 5th. Rainfall was less than the normal in Scotland E., England N.E. and the Midland Counties, but in the other districts there was an excess. Rain fell on six or seven days at most of the western and southern stations; amounts of 27mm. were measured at Fort William on the 3rd and 46mm. on the 5th, but elsewhere the falls were not excessive. Bright sunshine was scanty in most districts, though a few good records were obtained, Yarmouth and Hastings having four hours on the 3rd and 8th respectively, Guernsey five hours on the 5th, and Falmouth and Newquay about the same on the 7th. Solar halos were seen at Oxford on the 3rd, 4th, 6th and 8th, and at Tenby and Ross-on-Wye on the 3rd and 8th.



Temperature Scales

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	27	5·9	21	7·3	24	4·5	19	4·9	17	6·5	16	5·9	20	5·2	22	5·5
North	0	—	0	—	2	1·4	3	0·8	8	3·5	9	4·4	2	4·2	5	2·9
West	24	3·7	23	4·6	25	3·8	23	1·9	23	4·4	28	7·0	21	3·5	19	4·0
East	1	5·5	0	—	0	—	—	—	2	3·3	0	—	0	—	4	1·2
Calm	1	—	2	—	1	—	3	—	0	—	0	—	2	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	Districts of the British Isles											
	Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy
Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 6 weeks from November 28th, 1920. Warmth ...	3, 2, 1	3, 1, 2	3, 2, 1	4, 1, 1	3, 2, 1	4, 0, 2	3, 1, 2	3, 2, 1	4, 0, 2	4, 1, 1	4, 0, 2	3, 1, 2
Rainfall ...	2, 2, 2	2, 2, 2	2, 3, 1	2, 4, 0	2, 2, 2	3, 1, 2	3, 1, 2	2, 2, 2	3, 1, 2	3, 1, 2	3, 1, 2	2, 2, 2
Sunshine ...	0, 3, 3	4, 1, 1	0, 3, 3	0, 2, 4	0, 3, 3	0, 3, 3	0, 5, 1	1, 4, 1	1, 3, 2	3, 3, 0	1, 3, 2	0, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31654—19) Wt. 24—561/T25 500 1/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.			Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	49	3-5	37	8th	47·4	42·8	45·1	+ 6·0	6	1·10	28	+ 6										
p Deerness, Orkney ..	165	49	4th	37	8th	47·3	40·8	44·1	+ 5·1	6	0·80	20	+ 2	Deerness ..	0·3	- 0·4	5	—	—	—	—	—	—
a Stornoway	31	52	3rd	37	8th	47·9	40·9	44·5	+ 5·3	7	1·97	50	+ 23	Stornoway ..	0·5	- 0·3	7	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	52	5th	40	8th	49·6	44·4	47·1	—	7	1·08	27	—	Castlebay ..	0·3	—	4	—	—	—	—	—	—
b, Mainland. a Wick	81	49	3, 6	33	8th	46·1	37·3	41·9	+ 3·9	5	0·55	14	+ 1										
a Strathpeffer	125	54	3rd	31	2, 5	47·3	34·1	41·0	+ 4·0	5	1·05	27	+ 11										
p Glencarron	500	56	3rd	34	2nd	49·9	36·6	43·5	+ 6·5	7	3·15	80	+ 31										
a Fort Augustus ..	68	55	3rd	32	2, 3	49·3	37·0	43·4	+ 5·8	5	1·59	40	+ 13										
p Fort William	171	55	4th	35	2nd	48·9	37·7	43·5	+ 4·7	6	4·39	112	+ 65										
1. SCOTLAND, E.																							
a Nairn	82	54	3rd	31	3rd	47·9	35·9	42·1	+ 5·1	6	0·24	6	- 6	Nairn	1·3	—	18	—	—	—	—	—	—
p Gordon Castle	101	56	4th	34	2nd	48·7	37·1	43·1	+ 5·2	3	0·20	5	- 8	Gordon Castle ..	1·2	—	18	—	—	—	—	—	—
a Aberdeen	46	52	3, 6	31	5th	47·6	33·1	40·6	+ 2·9	2	0·17	4	- 11	Aberdeen ..	0·4	- 0·7	6	4	22	—	—	41·8	+0·9
a Balmoral	930	53	3rd	24	5th	43·7	32·9	38·5	+ 4·4	4	0·29	7	- 9	Balmoral ..	—	—	6	4	21	—	—	—	—
p Crieff	432	52	4th	32	5th	46·7	34·9	41·0	+ 4·2	5	1·31	33	+ 9	Crathes	—	—	—	—	—	—	—	—	—
a Dundee	244	52	3rd	30	5th	47·0	33·0	40·3	+ 3·5	5	0·31	8	- 5	Dundee	0·3	—	5	6	20	37·0	—	—	—
a Leith	30	55	3rd	33	5th	50·3	37·9	44·4	+ 5·3	7	0·34	9	- 1	Leith	—	—	—	1	24	—	—	—	—
p Edinburgh	441	54	4th	35	7th	48·6	37·7	43·4	+ 5·5	5	0·41	10	- 1	Edinburgh ..	0·6	- 0·7	8	1	30	—	—	—	—
a West Linton	769	51	3, 4, 8	25	5th	47·6	34·0	41·1	+ 7·1	5	0·99	25	—	West Linton ..	0·2	—	3	4	32	—	—	—	—
p Marchmont	498	52	8th	25	5th	46·3	32·0	39·4	+ 3·1	6	0·66	17	+ 3	Marchmont ..	0·2	- 0·8	3	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	53	3rd	32	5th	48·6	38·3	43·7	—	7	2·72	69	—	Ford (Argyll) ..	—	—	—	3	26	42·3	—	43·3	—
p Glasgow Observatory	180	53	4th	35	5th	47·9	38·6	43·9	+ 5·5	6	1·41	36	+ 16	Glasgow	0·6	+ 0·1	9	1	28	—	—	—	—
a Renfrew	49	52	8th	31	5th	48·3	36·6	42·7	+ 4·6	7	1·69	43	+ 15	Renfrew	0·6	—	8	2	22	—	—	—	—
p Rothesay	200	52	5th	36	5th	48·7	39·1	44·1	+ 4·8	6	1·85	47	+ 19	Rothesay	0·6	—	8	2	28	42·3	—	44·6	+1·4
a Kilmarnock	90	53	3rd	32	5th	49·0	37·6	43·5	+ 6·0	7	2·06	52	+ 30	Kilmarnock ..	0·5	—	7	—	—	41·7	—	43·7	—
a Colmonell	170	53	3, 8	30	5th	50·3	38·4	44·6	+ 5·6	7	1·51	38	+ 10	Colmonell	—	—	—	—	26	—	—	—	—
p Dumfries	160	51	4, 6	29	5th	47·7	37·3	42·7	+ 5·0	6	1·39	35	+ 16	Dumfries	0·2	—	3	3	24	42·3	+3·3	43·2	+1·4
a Eskdalemuir	784	50	8th	23	5th	46·3	31·4	39·2	—	6	2·72	69	—	Eskdalemuir ..	0·2	—	3	3	19	—	—	—	—
b, I. OF MAN p Douglas	284	52	4th	37	5th	50·0	40·6	45·5	+ 4·8	7	1·53	39	+ 16	Douglas	0·9	- 0·4	12	0	32	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	—	—	—	—	—	—	—	—	—	—	—	—										
a Tynemouth	118	55	5, 8	36	8th	51·0	39·0	45·2	+ 6·8	4	0·67	17	+ 4	Cockle Park ..	0·2	- 1·0	3	3	28	41·0	+3·7	42·4	+1·8
p Durham	336	58	4th	32	5, 6, 8	48·0	35·7	42·1	+ 5·2	3	0·32	8	- 4	Durham	0·4	- 0·7	5	4	22	—	—	—	—
a North .. p Rounton	249	52	4th	33	8th	47·9	38·6	43·4	+ 6·5	4	0·59	15	+ 2	Rounton	—	—	—	4	24	41·7	—	—	—
a West Witton	605	52	3, 4, 8	33	8th	48·6	37·7	43·4	—	5	0·87	22	—	West Witton ..	—	—	—	5	26	41·5	—	42·3	—
p Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough† ..	—	—	—	—	—	—	—	—	—
p York	56	54	4th	34	8th	48·7	40·7	44·9	+ 7·1	4	0·14	4	- 9	York	0·4	- 0·3	5	—	—	43·2	+3·5	44·5	+1·3
a Spurn Head	26	51	4, 8	34	6, 7	48·3	38·0	43·4	+ 4·9	4	0·28	7	- 4	Spurn Head ..	—	—	—	—	—	—	—	—	—
b, South .. a Lincoln	68	56	8th	32	8th	50·7	41·1	46·1	+ 9·0	5	0·22	6	- 7	Lincoln	—	—	—	1	29	44·0	+5·8	44·3	+1·5
a Fulbeck	180	53	2, 4, 8	33	8th	51·0	40·1	45·8	+ 8·7	4	0·47	12	- 1	Fulbeck	0·5	- 0·7	7	1	29	—	—	—	—
														Skegness ..	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	54	4th	34	7, 8	50·3	38·9	44·8	+ 6·8	6	0·54	14	+ 3	Cromer	1·1	- 0·4	14	—	—	—	—	—	—
a Little Massingham ..	277	54	4th	32	8th	49·7	38·3	44·2	+ 7·3	6	1·03	26	+ 10	Lit. Massingham	0·6	- 0·7	8	—	—	—	—	—	—
a Yarmouth	13	54	4th	38	8th	50·1	42·1	46·3	+ 8·5	5	0·34	9	- 4	Yarmouth ..	1·1	—	14	0	35	45·4	+5·6	45·7	+1·2
a Norwich	93	54	2, 4, 8	37	8th	51·3	42·7	47·3	+ 9·9	6	0·56	14	- 1	Norwich	0·6	—	8	0	31	43·5	—	—	—
a Geldeston	37	55	4th	37	6, 8	51·7	41·3	46·7	+ 8·7	4	0·32	8	- 5	Geldeston ..	0·8	- 0·7	10	—	—	—	—	—	—
p Cambridge	41	55	4th	32	8th	50·7	41·1	46·1	+ 8·5	4	0·65	16	+ 5	Cambridge ..	0·8	- 0·6	10	2	26	45·2	+5·4	46·1	+1·9
a Clacton-on-Sea ..	54	52	4th	40	8th	49·4	43·4	46·5	+ 8·5	5	0·52	13	+ 3	Clacton	0·6	- 0·9	8	0	36	45·1	+3·7	46·4	+0·7
a Rothamsted	420	53	4th	33	8th	49·4	41·6	45·7	+ 8·4	5	0·96	24	+ 9	Rothamsted ..	0·8	- 0·6	10	1	29	44·5	—	—	—
p Tottenham	51	55	4th	36	8th	50·9	44·7	47·9	—	5	0·92	23	—	Tottenham ..	0·3	—	4	—	—	—	—	46·4	+0·7
														S'thend-on-Sea	0·4	—	5	0	33	45·0	—	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	52	4th	33	8th	46·7	38·3	42·7	+ 6·1	5	0·21	5	- 12	Harrogate	0·4	- 0·9	6	1	29	42·4	+2·9	43·0	+1·6
p Sheffield	429	53	4th	37	7, 8	49·1	42·3	45·8	—	4	0·25	6	—	Sheffield	0·4	- 0·8	5	0	31	42·6	+3·5	43·6	+0·4
p Buxton	987	50	4th	33	8th	45·0	39·1	42·2	+ 3·9	5	0·83	21	- 11	Buxton	0·3	—	3	0	31	42·3	+3·6	42·7	-0·5
a Worksop	56	55	8th	34	8th	51·0	39·1	45·3	+ 7·9	4	0·08	2	- 11	Worksop	0·2	- 0·8	3	3	24	43·4	—	44·2	—
a Nottingham	82	54	4th	33	7, 8	50·3	40·7	45·7	+ 8·1	4	0·33	8	- 5	Nottingham ..	0·1	- 0·8	1	1	28	43·5	+5·1	42·8	+2·2
b, East .. p Birmingham, Edgbsn.	525	52	4th	34	8th	48·4	41·6	45·1	+ 7·4	5	0·41	11	- 4	Birmingham ..	0·2	- 0·8	2	2	25	45·2	+4·2	46·1	+0·7
a Raunds	203	57	2nd	32	8th	50·9	40·4	45·9	+ 9·3	4	0·67	17	+ 5	Raunds	0·6	—	7	1	30	44·9	—	—	—
p Oxford	208	54	2, 4	31	8th	50·9	43·0	47·1	+ 8·7	5	1·00	25	+ 12	Oxford	0·6	- 0·8	7	1	28	—	—	—	—
														Malvern	0·4	—	5	0	31	44·9	—	45·0	—
a Cheadle (N. Staffs.) ..	646	51	3rd	31	8th	47·7	39·3	43·7	+ 7·3	3	0·24	6	- 12	Cheadle	—	—	—	1	30	—	—	—	—
c, West .. p Tenbury	313	53	4th	31	8th	49·0	40·9	45·1	+ 6·4	5	0·51	13	+ 1	Tenbury	—	—	—	2	26	44·7	—	—	—
a Hereford	291	54	8th	32	8th	49·7	40·4	45·2	+ 7·2	4	0·53	14	- 1	Ross-on-Wye ..	0·2	—	2	2	27	45·4	—	46·0	—
a Clifton	225	53	3, 4	36	8th	49·6	42·6	46·2	+ 6·5	5	0·72	18	- 3	Clifton	0·4	—	5	1	30	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	53	3rd	31	7th	49·7	38·4	44·3	+ 6·6	6	1·10	28	+ 12	Worthing	1·0	- 0·8	13	0	31	46·9	+5·4	47·0	+1·0
a Wisley, Surrey ..	150	56	2nd	34	8th	51·9	43·6	47·9	+ 9·3	5	0·81	21	+ 10	Marlborough ..	0·3	- 0·9	4	2	23	45·9	—	46·8	—
a Tunbridge Wells ..	354	53	4th	36	8th	50·6	43·9	47·4	+ 9·1	6	0·64	16	0	Wisley	0·6	- 0·8	8	3	25	46·1	+5·4	46·3	+1·8
a Margate	51	55	2nd	39	8th	51·9	45·1	48·6	+ 8·9	5	0·15	4	- 6	Tunbridge Wells	0·7	- 0·7	9	2	28	46·3	+6·8	46·3	—
a Dungeness	21	52	2, 4	42	3, 8	50·7	45·6	48·3	+ 8·4	4	0·25	6	- 6	Margate	0·2	- 1·2	3	0	35	47·0	+4·8	47·2	+2·0
p St. Leonards	178	52	2, 3	39	8th	50·1	43·0	46·7	+ 6·6	7	0·54	14	0	Folkestone ..	—	—	—	—	—	—	—	—	—
p Southampton	64	52	2, 4, 5	32	8th	50·6	41·7	46·3	+ 5·9	6	1·17	30	+ 13	St. Leonards ..	0·9	- 0·9	11	0	32	46·9	—	46·5	—
a Ventnor	59	52	2, 3	36	8th	50·7	44·9	47·9	+ 5·7	6	0·81	21	+ 5	Southampton ..	0·7	- 0·9	8	2	24	—	—	—	—
														Ventnor	0·8	- 0·9	11	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	55	2nd	35	8th	50·8	44·2	47·6	+ 8·5	5	0·75	19	+ 8	Richmond	0·5	- 0·7	7	1	28	46·4	+5·8	46·0	+0·9
a Westminster	27	56	4th	36	8th	53·0	45·7	49·5	+ 9·5	5	0·74	19	+ 9	Westminster ..	0·3	- 0·3	3	0	31	—	—	—	—
ag Greenwich	149	54	2, 4	37	8th	51·9	44·7	48·4	+ 8·5	5	0·60	15	+ 5	Greenwich ..	0·3	- 0·9	4	0	31	—	—	—	—
a Hampstead	450	53	4th	34	8th	48·7	41·9	45·4	—	6	1·14	29	—	Hampstead ..	0·4	—	5	1	29	—	—	—	—
ag Camden Square ..	110	55	2, 4	35	8th	52·6	43·9	48·4	+ 9·3	6	1·12	28	+ 17	Camden Square	—	—	—	0	31	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	51	4th	33	5th	48·1	39·1	43·8	+ 5·8	7	1·28	33	+ 12	Aspatria	0·2	- 0·9	3	1	30	43·6	+2·9	44·6	+0·4
p Newton Rigg	559	52	4th	31	5th	47·7	38·0	43·0	+ 6·3	7	0·84	21	0	Newton Rigg ..	0·1	- 0·9	1	4	26	—	—	—	—
p Stonyhurst	375	52	3, 4	35	8th	49·1	40·0	44·7	+ 6·8	5	0·98	25	- 1	Stonyhurst ..	0·2	- 0·6	3	0	31	—	—	—	—
a Blackpool	66	52	3, 4	35	8th	49·9	41·0	45·6	+ 6·7	6	1·06	27	+ 10	Blackpool ..	0·3	- 0·8	2	0	32	44·4	—	45·1	—
a Southport	37	54	4th	36	8th	50·6	41·4	46·2	+ 7·3	6	0·56	14	- 2	Southport ..	0·4	- 0·7	5	0	31	42·7	+4·1	43·2	+1·4
														Hoylake ..	—	—	—	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	55	3, 4	36	8th	51·9	42·0	47·2	+ 7·6	6	0·51	13	- 1	Liverpool ..	0·7	—	9	1	30	—	—	—	—
a Hawarden Bridge ..	22	56	3, 4, 6	36	8th	52·7	41·4	47·3	+ 7·1	6	0·35	9	- 3	Manchester (City)	0·0	- 0·3	0	0	34	44·9	+5·5	44·5	+0·4
p Manchester (Whit. Pk.)	125	54	4th	36	8th	49·9	42·6	46·4	+ 7·2	5	0·41	11	- 5	Whitworth Park	0·1	- 0·4	1	—	—	—	—	—	—
v. NORTH WALES.																							
p Llandudno	22	60	4th	35	8th	53·7	41·6	47·9	+ 6·3	6	0·74	19	+ 3	Llandudno ..	1·0	- 0·3	13	—	—	—	—	—	—
a Holyhead	15	52	3, 4, 6, 8	38	8th	50·7	42·3	46·7	+ 4·6	6	1·62	41	+ 21	Holyhead ..	0·6	—	8	0	34	—	—	—	—
a Aberdovey	60	53	3rd	37	8th	50·7	43·1	47·1	—	7	0·69	18	—	Aberdovey ..	0·7	- 0·7	9	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	16	54	3rd	35	8th	51·1	42·6	47·0	—	5	0·61	15	—	Aberystwyth ..	0·5	- 1·0	6	—	—	—	—	—	—
a Rhayader	757	53	3rd	35	7, 8	49·3	40·3	45·0	—	6	0·70	18	—	Rhayader ..	0·4	—	6	2	28	—	—	—	—
a St. Ann's Head ..	149	52	6, 8	42	7, 8	50·7	45·6	48·3	+ 5·2	7	1·47	37	+ 15	St. Ann's Head ..	0·7	- 0·7	9	—	—	—	—	—	—
p Cardiff	202	53	4th	35	8th	50·3	43·3	46·9	+ 7·6	5	1·18	30	+ 6	Cardiff	0·4	—	5	1	23	45·7	+ 4·5	46·0	+ 0·9
b. ENGLAND, S.W.																							
a Bath	68	54	2–4	33	8th	51·6	43·1	47·5	+ 7·9	5	0·64	16	0	Bath	0·3	- 1·1	3	—	—	46·6	+ 5·2	47·0	+ 1·0
a Shaftesbury	722	51	2, 4	32	8th	48·6	40·0	44·5	+ 6·5	5	0·95	24	+ 7	Shaftesbury ..	—	—	—	—	—	46·4	—	46·2	—
a Arlington	513	52	3rd	36	8th	49·6	42·1	46·0	+ 6·4	6	1·77	45	+ 14										
a Newquay	190	54	4th	41	8th	51·8	45·3	48·7	+ 4·8	6	0·95	24	+ 4	Newquay ..	1·2	- 0·5	15	0	36	49·1	—	49·8	—
a Cullompton	202	55	2nd	33	8th	52·0	42·6	47·5	+ 7·5	6	0·52	13	- 8	Cullompton ..	0·4	- 1·0	5	1	26	47·4	—	—	—
a Portland Bill	19	53	2nd	44	8th	51·1	46·3	48·8	+ 5·9	6	0·96	24	+ 10	Weymouth ..	0·7	—	9	—	—	—	—	—	—
p Plymouth	116	53	2, 4	38	8th	52·0	45·6	48·9	+ 6·2	6	0·87	22	0	Plymouth ..	0·7	- 0·9	9	0	33	48·3	+ 4·5	48·6	—
a Falmouth	167	54	4th	38	8th	52·1	43·1	47·8	+ 4·0	6	1·10	28	- 1	Falmouth ..	1·4	- 0·4	17	0	32	48·7	—	49·3	—
9. IRELAND, N.																							
West .. *a* Malin Head	208	54	3rd	37	7th	49·6	40·4	45·2	+ 4·2	5	0·51	13	- 4	Malin Head ..	0·7	—	10	—	—	—	—	—	—
a Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	0·7	- 0·5	10	3	26	43·4	+ 1·4	45·1	- 0·3
p Markree Castle ..	122	55	3, 4	31	5th	51·0	35·0	43·3	+ 3·8	7	1·47	37	+ 13										
East .. *p* Armagh	204	55	3, 4	34	7th	50·9	37·1	44·3	+ 5·1	7	0·93	25	+ 9	Armagh	0·9	- 0·4	12	1	30	43·6	+ 2·7	45·0	+ 0·8
a Donaghadee	35	53	3, 8	34	5th	50·1	37·6	44·1	+ 3·6	6	1·26	32	+ 16										
10. IRELAND, S.																							
p Dublin, City	51	56	3, 4	37	5th	52·7	41·3	47·2	+ 5·4	7	0·42	11	- 3	Trinity Coll. ..	0·8	—	10	2	29	45·5	+ 3·9	46·4	+ 1·5
a Birr Castle	175	55	3rd	34	8th	51·4	38·7	45·3	+ 5·4	6	1·06	27	+ 9	Phœnix Park ..	1·2	- 0·4	16	1	30	—	—	—	—
a Kilkenny	195	55	3, 4, 8	29	8th	52·9	37·1	45·3	+ 5·3	6	0·74	19	- 1	Dublin City ..	—	—	—	0	32	—	—	—	—
a Waterford	137	54	3, 4, 8	34	7, 8	52·7	39·3	46·3	+ 4·4	5	0·95	24	0	Birr Castle ..	1·0	- 0·4	14	3	27	—	—	—	—
p Seskin, Carrick-on-Suir	542	53	4, 8	34	7th	50·9	38·1	44·8	—	6	0·93	24	—	Seskin	1·1	—	14	3	27	—	—	—	—
a Cahir	198	54	2, 6	30	7, 8	53·4	37·9	45·4	+ 4·9	7	0·89	23	—										
a Foynes	50	59	6th	35	7, 8	52·0	40·1	46·3	+ 4·3	7	1·21	31	+ 6										
a Cahirciveen (Val. Obs.)	30	54	3, 4, 8	39	7th	52·6	45·3	49·1	+ 4·6	7	1·93	49	+ 13	Cahirciveen ..	0·9	- 0·4	12	0	35	—	—	—	—
a Killarney	174	56	3, 8	37	7th	53·0	43·4	48·4	+ 5·6	7	1·94	49	+ 10	Ballinacurra ..	—	—	—	—	—	—	—	—	—
a Roche's Point	32	54	4, 8	37	7th	52·1	42·9	47·7	+ 4·0	7	0·83	21	- 7										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	4th	44	5th	51·7	46·9	49·4	+ 3·3	7	0·87	22	+ 2	Scilly	1·6	- 0·2	20	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	56	4th	44	6, 8	52·4	46·6	49·6	+ 6·2	7	0·68	17	- 3	St. Heliers ..	1·4	- 0·6	17	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	54	4th	43	8th	52·0	46·7	49·5	+ 5·7	6	1·02	26	+ 5	Guernsey† ..	1·5	- 0·3	18	0	33	48·8	+ 3·7	49·0	+ 0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 8th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	3	1	1, 3 to 7	35	80	45	7	0	160	18	3	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	29	78	32	29	160	9	4	1	20	4	1	15
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	28	113	27	0	190	9	6	4	—	—	—	—
Edinburgh	485	39	51	3, 6	3	3 to 6, 8	33	73	50	9	0	180	19	3	21	28	3	21	10
6. SCOTLAND, W.																			
Eskdalemuir	825	59	22	3, 4, 6	5	3 to 6, 8	40	30	42	51	0	200	19	6	9	27	3	22	20
Paisley	188	81	15	—	0	3, 4, 6	10	59	70	29	0	190	14	6	8	27	6	9	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	0	—	0	20	102	46	0	230	9	6	13	17	6	12	40
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	8	2	80	78	8	0	210	11	8	23	16	8	23	30
Shoeburyness	103	90	‡	—	0	8	2	93	66	4	0	220	12	8	23	18	8	23	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	2, 4, 6, 8	5	61	85	17	0	200	12	8	21	19	6	13	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	62	95	11	0	—	9	7	14	15	7	14	40
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	—	0	3, 4, 6, 8	14	104	50	0	0	240	14	4	12	18	4	13	20
Richmond (Kew Obs.)..	82	66	22	—	0	—	0	54	94	20	0	220	10	4	13	17	4	12	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	4, 6, 8	6	83	79	0	0	180	13	6 & 8	12 & 21	—	—	—	—
Southport	80	62	48	—	0	4, 6, 8	7	89	72	0	0	240	14	8	23	20	4	4	30
Holyhead	60	40	‡	—	0	3 to 8	46	86	36	0	0	200	15	8	16	23	8	15	19
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	2, 4	3	2 to 4, 6, 8	56	54	47	8	0	210	18	2	1	24	4	18	0
Plymouth	185	88	2	2	4	2 to 4, 6, 8	40	52	56	16	0	—	20	2	1 & 2	23	2	1	20
Lyme Regis	556	61	‡	—	0	—	0	38	43	70	17	—	9	4	13	14	4	12	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	3, 5, 7, 8	9	85	65	5	4	260	13	8	2	—	—	—	—
Quilty	100	40	‡	—	0	3, 5 to 8	65	91	11	1	0	—	15	3	19	21	3	15	20
Cahirciveen (Val Obs.)	98	41	‡	—	0	3 to 6, 8	51	71	42	4	0	200	16	6	5	23	6	5	0
Weaver Pt.	160	30	‡	3, 6	2	3 to 8	46	57	36	0	27	—	17	6	7	25	6	7	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	2	1	2, 4	7	87	53	16	4	290	17	2	14	24	2	13	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIRST WEEK of 1921—January 2nd to January 8th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	31	81·9	76·3	79·3	+ 2·9	26	+ 20	11	−24	6	+ 1	1·97	50	+ 21	0·4	−0·3	6	1000
Eastern.																			
1. SCOTLAND, EAST ...	56	24	81·6	74·5	78·2	+ 2·5	15	+ 9	31	−11	5	+ 1	0·53	13	− 3	0·5	−0·5	8	1004
2. ENGLAND, N.E.	58	32	82·7	76·9	79·9	+ 3·6	29	+ 22	8	−27	4	0	0·38	10	− 3	0·4	−0·7	5	1010
3. ENGLAND, EAST ...	55	32	83·2	78·3	80·9	+ 4·7	31	+ 22	1	−38	5	+ 1	0·65	16	+ 3	0·8	−0·6	10	1014
4. MIDLAND COUNTIES ...	57	31	82·7	77·8	80·3	+ 4·1	28	+ 19	4	−36	4	0	0·47	12	− 3	0·3	−0·9	4	1013
5 ENGLAND, S.E.	56	31	83·4	79·3	81·4	+ 4·2	36	+ 23	0	−29	6	+ 2	0·69	18	+ 4	0·7	−0·8	8	1016
Western.																			
6. SCOTLAND, WEST ...	53	29	82·4	76·7	79·7	+ 2·7	28	+ 19	9	−20	7	+ 2	1·78	45	+ 17	0·8	−0·2	10	1007
7. ENGLAND, N.W.	60	31	83·3	77·9	80·7	+ 3·6	32	+ 22	3	−25	6	+ 2	0·84	21	+ 2	0·4	−0·6	6	1010
8. ENGLAND, S.W.	55	32	83·4	79·2	81·4	+ 3·2	36	+ 19	0	−22	6	+ 1	1·02	26	+ 3	0·7	−0·8	9	1014
9. IRELAND, NORTH ...	55	31	83·3	76·2	79·9	+ 2·2	34	+ 21	12	−13	6	+ 1	1·06	27	+ 6	0·8	−0·5	11	1006
10. IRELAND, SOUTH ...	59	29	84·3	77·8	81·2	+ 2·6	39	+ 19	4	−15	7	+ 2	1·11	28	+ 3	1·1	−0·5	14	1010
11. ENGLISH CHANNEL ...	55	43	84·1	81·2	82·7	+ 2·6	53	+ 26	0	− 9	7	+ 2	0·86	22	+ 2	1·5	−0·4	18	1017
MEAN: DISTRICTS **1-10** ...	60	24	83·0	77·5	80·4	+ 3·3	31	+ 20	7	−24	6	+ 1	0·85	22	+ 3	0·7	−0·6	9	1010

THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, November 28th, 1920, to January 8th, 1921.

0. SCOTLAND, NORTH ...	56	17	80·1	75·0	77·7	+ 0·8	77	+ 24	133	− 44	27	− 5	7·05	178	− 30	0·4	−0·3	6	1009
Eastern.																			
1. SCOTLAND, EAST ...	56	11	79·2	73·7	76·6	+ 0·3	48	− 1	218	− 3	27	+ 2	4·15	105	+ 1	1·4	+0·3	20	1011
2. ENGLAND, N.E.	58	15	80·4	75·6	78·1	+ 0·9	94	+ 34	127	−45	30	+ 6	3·75	96	+ 16	0·8	−0·1	11	1013
3. ENGLAND, EAST ...	58	4	80·7	75·7	78·3	+ 1·1	112	+ 41	137	−46	34	+ 9	3·67	92	+ 12	0·8	−0·6	11	1015
4. MIDLAND COUNTIES ...	60	−1	80·4	75·5	78·1	+ 1·1	113	+ 40	156	−41	26	+ 1	3·89	98	+ 4	0·8	−0·4	10	1015
5. ENGLAND, S.E.	57	13	81·2	76·8	79·1	+ 0·9	154	+ 50	107	−26	31	+ 7	4·27	109	+ 5	0·9	−0·6	11	1016
Western.																			
6. SCOTLAND, WEST ...	55	20	80·6	75·7	78·2	+ 0·5	94	+ 18	125	−14	32	+ 3	7·36	183	+ 1	0·8	−0·2	11	1013
7. ENGLAND, N.W.	60	19	80·9	76·1	78·6	+ 0·7	120	+ 38	123	−11	29	+ 2	4·25	107	− 21	1·1	0·0	15	1013
8. ENGLAND, S.W.	58	15	81·4	76·7	79·1	+ 0·2	158	+ 33	113	+17	28	− 1	6·20	158	− 7	1·3	−0·2	17	1015
9. IRELAND, NORTH ...	57	21	81·4	75·5	78·6	+ 0·4	131	+ 40	116	− 6	29	− 2	5·12	130	− 6	1·5	+0·3	19	1010
10. IRELAND, SOUTH ...	59	16	82·0	76·2	79·2	+ 0·1	158	+ 20	109	+15	28	− 2	6·67	169	+ 12	1·6	+0·1	21	1012
11. ENGLISH CHANNEL ...	57	28	82·8	79·5	81·2	+ 0·3	233	+ 31	32	+ 4	34	+ 3	5·02	127	− 17	1·3	−0·5	15	1016
MEAN: DISTRICTS **1-10** ...	60	− 1	80·8	75·8	78·4	+ 0·6	118	+ 31	133	− 16	29	+ 3	4·93	125	+ 2	1·1	−0·2	15	1013

THE YEAR 1921.—Aggregates, &c., for the Period of 1 Week, January 2nd to January 8th, 1921.

0. SCOTLAND, NORTH ...	56	31	81·9	76·3	79·3	+ 2·9	26	+ 20	11	− 24	6	+ 1	1·97	50	+ 21	0·4	−0·3	6	1000
Eastern.																			
1. SCOTLAND, EAST ...	56	24	81·6	74·5	78·2	+ 2·5	15	+ 9	31	− 11	5	+ 1	0·53	13	− 3	0·5	−0·5	8	1004
2. ENGLAND, N.E.	58	32	82·7	76·9	79·9	+ 3·6	29	+ 22	8	− 27	4	0	0·38	10	− 3	0·4	−0·7	5	1010
3. ENGLAND, EAST ...	55	32	83·2	78·3	80·9	+ 4·7	31	+ 22	1	− 38	5	+ 1	0·65	16	+ 3	0·8	−0·6	10	1014
4. MIDLAND COUNTIES ...	57	31	82·7	77·8	80·3	+ 4·1	28	+ 19	4	− 36	4	0	0·47	12	− 3	0·3	−0·9	4	1013
5. ENGLAND, S.E.	56	31	83·4	79·3	81·4	+ 4·2	36	+ 23	0	− 29	6	+ 2	0·69	18	+ 4	0·7	−0·8	8	1016
Western.																			
6. SCOTLAND, WEST ...	53	29	82·4	76·7	79·7	+ 2·7	28	+ 19	9	− 20	7	+ 2	1·78	45	+ 17	0·8	−0·2	10	1007
7. ENGLAND, N.W.	60	31	83·3	77·9	80·7	+ 3·6	32	+ 22	3	− 25	6	+ 2	0·84	21	+ 2	0·4	−0·6	6	1010
8. ENGLAND, S.W.	55	32	83·4	79·2	81·4	+ 3·2	36	+ 19	0	− 22	6	+ 1	1·02	26	+ 3	0·7	−0·8	9	1014
9. IRELAND, NORTH ...	55	31	83·3	76·2	79·9	+ 2·2	34	+ 21	12	− 13	6	+ 1	1·06	27	+ 6	0·8	−0·5	11	1006
10. IRELAND, SOUTH ...	59	29	84·3	77·8	81·2	+ 2·6	39	+ 19	4	− 15	7	+ 2	1·11	28	+ 3	1·1	−0·5	14	1010
11. ENGLISH CHANNEL ...	55	43	84·1	81·2	82·7	+ 2·6	53	+ 26	0	− 9	7	+ 2	0·86	22	+ 2	1·5	−0·4	18	1017
MEAN: DISTRICTS **1-10** ...	60	24	83·0	77·5	80·4	+ 3·3	31	+ 20	7	− 24	6	+ 1	0·85	22	+ 3	0·7	−0·6	9	1010
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
14th January, 1921.

METEOROLOGICAL OFFICE
22 JAN 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 2.

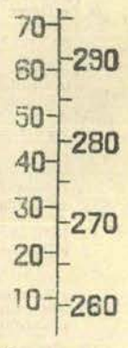
SECOND WEEK.

SUNDAY, JANUARY 9TH, TO SATURDAY, JANUARY 15TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The mild rainy weather of the past three or four weeks was maintained during the greater part of the period, but on Friday a "wedge" from the large anticyclone between the Azores and Madeira moved in a north-easterly direction and its influence brought about a temporary improvement in the weather over the British Isles, with a much more seasonable temperature. During the early part of the week the temperature was again high over the country generally, and maximum readings of 288a were of common occurrence, but on the last two days maxima as low as 276a were recorded; the actual lowest being 275a (36° F.) at Aspatria. The night minima in the screen on the 9th or 10th did not descend below 284a at several places, especially in the Midland counties; Hodsock Priory, Worksop, reports, shade minima of 52° F. on the 10th, the highest observed in either January, February or March for the past 42 years. The lowest minimum of the week took place on the 15th in England and Scotland, and on the 14th in Ireland; readings as low as 264a were registered at Balmoral and Eskdalemuir on the 15th, and 268a at Dumfries on the same date. The lowest readings on the grass were 261a at Balmoral and Rhayader on the 14th. The mean temperature of the week was above the normal in all districts except Scotland N. and W.; the largest excess was about 3a in Districts 3 and 5. Rainfall was more than the normal in all districts with the exception of Scotland N. and the Channel Islands, the largest excesses above the normal were about + 20mm. in Scotland W. and England N.W.; measurements of 36mm. at Eskdalemuir on the 9th and 34mm. at Tynemouth and 33mm. at Durham on the 12th were recorded. Snow or sleet fell in several places, but mostly in Scotland and England N.E. On the last two days of the week over six hours of sunshine were recorded at many stations, but the mean for the week was slightly below the normal in several districts. Aurora Borealis was witnessed at Aberdeen on the 10th. At Oxford solar halos were observed on the 10th, 11th and 12th and the Zodiacal Light on the 9th and 12th.



Temperature Scales

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	—	—	16	3·0	18	4·5	18	4·9	17	5·8	15	4·8	16	7·0	16	5·8
North	—	—	8	4·3	4	4·2	3	5·9	9	5·7	2	5·9	5	6·9	8	3·4
West	—	—	18	6·0	18	4·8	20	3·1	17	6·9	18	8·4	17	7·0	13	6·5
East	—	—	6	3·4	2	1·6	0	—	6	4·1	1	2·2	5	2·6	7	1·2
Calm	—	—	3	—	6	—	5	—	1	—	2	—	0	—	4	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Heavy	Very heavy	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 7 weeks from November 28th, 1920.	Warmth ...	3, 3. 1	3. 2. 2	3. 3. 1	5, 1 1	4, 2, 1	5, 0, 2	3, 2, 2	4, 2, 1	5, 0, 2	5, 1, 1	5, 0, 2	4, 1, 2
	Rainfall ...	2, 3 2	3 2. 2	3. 3, 1	2, 5 0	2, 3, 2	4, 1, 2	4, 1, 2	3, 2, 2	3, 2, 2	4, 1, 2	3, 2, 2	2, 3, 2
	Sunshine ...	1, 3. 3	5, 1, 1	0, 4. 3	0, 3. 4	0, 4, 3	0, 4. 3	1, 5, 1	1, 5. 1	1, 4. 2	3, 4, 0	1, 4, 2	0, 4, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(21757—19) Wt. 24—561/P25 500 1/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week.				No. of days of Precipitation.	Rainfall in the Week.						Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal				Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands..	*a* Lerwick	54	50	15th	28	12th	43·0	32·6	38·0	- 0·5	6	0·68	17	- 5									
	p Deerness, Orkney ..	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	—	—	—	—	—
	a Stornoway	51	51	15th	32	15th	42·6	35·3	39·1	+ 0·4	5	0·95	24	- 3	Stornoway ..	1·3	+ 0·4	18	—	—	—	—	—
	a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—
b, Mainland.	*a* Wick	81	49	15th	28	14th	41·7	31·9	37·0	- 0·4	5	0·44	11	- 2									
	a Strathpeffer	125	53	15th	25	15th	41·1	30·9	36·2	- 0·4	3	0·51	13	- 3									
	p Glencarron	500	48	9th	24	14th	40·9	31·1	36·2	- 0·3	6	1·84	47	- 4									
	a Fort Augustus.. ..	68	52	15th	24	15th	43·0	31·1	37·3	+ 0·2	2	0·50	13	- 14									
	p Fort William	171	52	9th	24	13-15	42·1	31·3	36·9	- 1·4	7	1·19	30	- 18									
1. SCOTLAND, E.																							
	a Nairn	82	52	15th	25	15th	41·7	31·7	36·9	+ 0·3	5	0·29	7	- 3	Nairn	1·3	—	18	—	—	—	—	—
	p Gordon Castle	101	52	9th	27	13th	42·7	31·9	37·5	0·0	4	0·48	12	+ 1	Gordon Castle..	1·1	—	16	—	—	—	—	—
	a Aberdeen	46	54	9th	30	14, 15	42·3	33·4	38·0	+ 0·8	4	0·11	3	- 9	Aberdeen ..	1·4	+ 0·1	20	5	20	—	41·6	+1·2
	a Balmoral	930	51	9th	15	15th	38·0	27·0	32·7	- 1·0	4	0·26	7	- 7	Balmoral ..	—	—	—	5	10	—	—	—
	p Crieff	432	54	9th	24	15th	42·1	31·1	36·8	+ 0·5	6	0·47	12	- 9	Crathes	—	—	—	—	—	—	—	—
	a Dundee	244	54	9th	20	14th	42·1	30·3	36·4	0·0	4	0·70	18	+ 7	Dundee	2·6	—	37	6	12	36·9	—	—
	a Leith	30	54	9th	28	15th	44·3	35·4	40·0	+ 1·4	4	1·07	27	+ 18	Leith	—	—	—	2	21	—	—	—
	p Edinburgh	441	53	9th	28	15th	44·0	33·7	39·1	+ 1·7	4	1·00	26	+ 17	Edinburgh ..	1·6	+ 0·2	21	2	21	—	—	—
	a West Linton	769	51	9th	18	15th	41·1	29·3	35·4	+ 1·8	5	2·05	52	—	West Linton ..	1·2	—	17	3	15	—	—	—
	p Marchmont	498	55	10th	21	15th	43·3	26·4	35·2	- 0·6	4	1·85	47	+ 35	Marchmont ..	1·5	+ 0·3	20	—	—	—	—	—
6. a. SCOTLAND, W.																							
	a Ford (Argyll)	149	51	9th	24	14th	43·0	32·4	37·9	—	7	1·67	42	—	Ford (Argyll) ..	—	—	—	3	17	40·3	—	43·3	—
	p Glasgow Observatory	180	52	9th	29	15th	42·6	35·0	39·0	+ 0·6	6	1·34	34	+ 17	Glasgow.. ..	1·5	+ 0·9	21	3	23	—	—	—	—
	a Renfrew	49	53	9th	25	14th	43·9	34·0	39·2	—	6	1·28	32	—	Renfrew ..	2·0	—	27	2	14	—	—	—	—
	p Rothesay	200	50	9th	21	14th	42·6	30·9	37·0	- 2·3	7	1·37	35	+ 12	Rothesay ..	1·7	—	23	2	21	40·3	—	44·4	+1·6
	a Kilmarnock	90	52	15th	28	14, 15	44·3	34·6	39·6	+ 2·3	6	1·71	43	+ 25	Kilmarnock ..	1·5	—	20	—	—	40·4	—	43·9	—
	a Colmonell	170	53	9th	26	14th	43·9	35·0	39·6	+ 0·9	6	2·13	54	+ 32	Colmonell ..	—	—	—	2	20	—	—	—	—
	p Dumfries	160	53	9, 10	23	15th	44·0	32·0	38·2	+ 0·5	6	2·07	53	+ 38	Dumfries ..	1·9	—	26	2	18	40·9	+2·5	43·4	+1·9
	a Eskdalemuir	794	53	9th	15	15th	40·1	29·4	35·0	—	6	3·40	86	—	Eskdalemuir ..	1·6	—	22	2	12	—	—	—	—
b, I.OF MAN	*p* Douglas	284	53	9th	30	14th	46·3	37·4	42·0	+ 1·4	6	1·74	44	+ 26	Douglas	1·8	+ 0·3	23	2	24	—	—	—	—
2. ENGLAND, N.E																							
a North ..	*a* Alnwick Castle ..	210	56	9th	27	15th	45·1	34·1	39·8	+ 2·2	4	1·56	40	+ 27									
	a Tynemouth	118	56	9th	31	14, 15	44·7	35·7	40·4	+ 2·1	3	1·73	44	+ 34	Cockle Park ..	1·2	- 0·3	15	4	22	38·5	+1·6	42 5	+2·3
	p Durham	336	56	9th	25	15th	44·9	31·6	38·5	+ 1·8	3	1·80	46	+ 36	Durham ..	1·2	- 0·1	15	3	18	—	—	—	—
	p Rounton	249	56	9th	26	14th	43·6	33·7	38·9	+ 2·2	5	1·39	35	+ 25	Rounton ..	—	—	—	6	16	40·5	—	—	—
	a West Witton	606	53	9th	25	15th	43·4	34·6	39·2	—	5	1·97	50	—	West Witton ..	—	—	—	3	20	39·8	—	42·9	—
	p Scarborough	118	57	9, 10	31	14, 15	47·3	35·4	41·6	+ 3·2	5	0·83	21	+ 9	Scarborough† ..	0·9	- 0·3	12	—	—	—	—	44·2	—
	p York	56	58	9th	28	15th	45·9	35·9	41·1	+ 3·5	4	0·70	18	+ 8	York	0·6	- 0·2	8	—	—	42·5	+3·4	44·8	+2·2
b, South ..	*a* Spurn Head	26	54	9, 10	31	15th	45·4	35·4	40·6	+ 2·4	4	0·71	18	+ 10	Spurn Head ..	—	—	—	—	—	—	—	—	—
	a Lincoln	58	57	9th	28	15th	46·0	36·4	41·4	+ 4·5	5	0·62	16	+ 6	Lincoln	—	—	—	3	25	42·1	+4·8	44·7	+2·6
	a Fulbeck	180	58	9th	26	14th	46·0	36·6	41·5	+ 4·7	6	0·57	15	+ 5	Fulbeck ..	1·0	- 0·3	13	4	20	—	—	—	—
															Skegness ..	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	190	56	9th	32	15th	47·9	36·0	42·2	+ 4·8	4	0·44	11	+ 3	Cromer	2·2	+ 0·5	27	—	—	—	—	—	—
	a Little Massingham ..	277	56	9th	28	15th	45·7	34.6	40·4	+ 4·0	4	0·60	15	+ 4	Lit. Massingham	1·3	- 0·1	16	—	—	—	—	—	—
	a Yarmouth	13	57	9th	32	15th	48·0	39·4	43·9	+ 6·6	4	0·41	10	0	Yarmouth ..	2·0	—	26	1	29	44·7	+5·7	46·7	+2·8
	a Norwich	93	56	9th	30	15th	46·7	37·7	42·4	+ 5·5	4	0·44	11	0	Norwich ..	2·2	—	28	3	23	41·2	—	—	—
	a Geldeston	37	58	9th	29	15th	49·3	36·3	43·1	+ 5·5	3	0·46	12	+ 3	Geldeston ..	2·2	+ 0·6	28	—	—	—	—	—	—
	p Cambridge	41	56	9, 10	27	15th	48·3	37·4	43·1	+ 5·9	4	0·37	9	+ 1	Cambridge ..	2·1	+ 0·5	26	6	21	43·5	+4·4	46·3	+2·7
	a Clacton-on-Sea ..	54	54	9th	30	15th	47·1	38·7	43·1	+ 5·7	4	0·46	12	+ 5	Clacton	2·1	+ 0·3	26	1	25	44·0	+3·4	46·8	+1·7
	a Rothamsted	420	54	9th	27	15th	45·7	36·4	41·2	+ 4·4	4	0·50	13	+ 2	Rothamsted ..	2·2	+ 0·7	28	2	20	42·5	—	—	—
	p Tottenham	51	56	9, 10	31	15th	48·1	38·7	43·6	—	4	0·49	12	—	Tottenham ..	0·8	—	10	1	28	—	—	47·0	+1·9
															S'thend-on-Sea	2·3	—	29	2	28	44·4	—	—	—
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	55	9th	28	14, 15	44·4	35·6	40·4	+ 4·3	6	1·32	34	+ 22	Harrogate ..	1·0	- 0·5	12	4	22	40·9	+2·0	42·5	+1·5
	p Sheffield	429	57	9th	29	15th	45·9	36·0	41·2	—	5	0·88	22	—	Sheffield.. ..	1·2	- 0·1	15	2	22	40·8	+2·4	43·8	+1·2
	p Buxton	987	53	9th	23	15th	43·1	33·3	38·4	—	6	1·08	27	+ 4	Buxton	0·7	—	9	2	21	40·3	+2·1	43·2	+0·4
b, East ..	*a* Worksop	56	58	9th	26	14, 15	46·9	35·4	41·4	+ 4·6	5	0·83	21	+ 12	Worksop ..	0·7	- 0·3	10	4	19	41·4	—	44·2	—
	a Nottingham	82	57	9th	27	15th	45·9	35·9	41·1	+ 4·1	4	0·55	14	+ 5	Nottingham ..	0·7	- 0·3	9	3	20	40·5	+2·8	43·7	+2·7
	p Birmingham, Edgbsn.	525	56	9th	29	14th	45·7	36·0	41·0	+ 3·9	4	0·67	17	+ 7	Birmingham ..	1·2	+ 0·2	15	2	14	42·6	+2·1	46·1	+1·1
	a Raunds	203	57	9th	26	15th	47·0	35·1	41·3	+ 5·3	5	0·56	14	+ 6	Raunds	1·9	—	24	2	21	43·5	—	—	—
	p Oxford	208	55	9, 10	29	14, 15	47·4	37·7	42·7	+ 4·9	3	0·43	11	+ 2	Oxford	1·9	+ 0·4	23	2	23	—	—	—	—
															Malvern ..	1·8	—	22	3	28	42·1	—	45·1	—
c, West ..	*a* Cheadle (N. Staffs.) ..	646	55	9th	27	14th	45·6	35·1	40·6	+ 4·7	5	0·77	20	+ 7	Cheadle	—	—	—	2	27	—	—	—	—
	p Tenbury	313	58	9th	25	15th	46·9	36·0	41·7	+ 3·6	4	0·82	21	+ 12	Tenbury	—	—	—	2	20	42·4	—	—	—
	a Hereford	291	—	—	—	—	—	—	—	—	4	0·70	18	+ 7	Ross-on-Wye ..	1·5	—	19	4	21	42·6	—	46·0	—
	a Clifton	225	54	9, 11	28	14th	48·1	38·3	43·4	+ 4·4	3	0·78	20	+ 5	Clifton	1·3	—	16	2	27	—	—	—	—
5. ENGLAND, S.E.																							
	a Marlborough	424	54	10th	25	14th	47·1	35·6	41·6	+ 4·6	4	0·82	21	+ 7	Worthing ..	2·4	—	29	2	26	44·8	+4·3	47·4	+3·0
	a Wisley, Surrey ..	150	56	9th	29	15th	47·7	38·3	43·2	+ 5·4	4	0·59	15	+ 5	Marlborough ..	0·9	- 0·4	11	4	20	42·5	—	46·8	—
	a Tunbridge Wells ..	364	54	9th	29	15th	47·7	37·7	42·9	+ 5·5	4	1·31	33	+ 19	Wisley	2·2	+ 0·6	27	4	18	44·0	+4·1	46·5	+2·6
	a Margate	51	56	9, 10	36	15th	49·1	40·4	44·9	+ 6·0	5	0·66	17	+ 8	Tunbridge Wells	1·9	+ 0·3	23	3	22	44·5	+6·3	46·5	—
															Margate	1·7	+ 0·1	21	0	34	45·3	+4·1	47·3	+2·9
	a Dungeness	21	53	10th	30	15th	48·1	40·3	44·4	+ 5·4	4	0·79	20	+ 9	Folkestone ..	1·7	—	20	—	—	—	—	44·5	—
	p St. Leonards	178	53	9, 10	32	15th	48·6	40·3	44·6	+ 5·4	5	1·29	33	+ 20	St. Leonards ..	1·9	- 0·1	23	1	27	45·3	—	47·0	—
	p Southampton	64	57	9th	29	15th	48·7	37·6	43·4	+ 3·7	4	0·89	23	+ 8	Southampton ..	1·5	- 0·1	19	3	23	—	—	—	—
	a Ventnor	59	53	9, 10	33	14th	48·7	40·4	44·7	+ 3·4	4	1·39	35	+ 21	Ventnor	2·1	+ 0·2	25	—	—	—	—	—	—
LONDON.	*a* Richmond (Kew Obs.)	18	56	9th	31	15th	48·0	39·2	43·8	+ 5·4	4	0·56	14	+ 4	Richmond ..	1·7	+ 0·3	21	2	23	44·1	+4·3	46·6	+2·0
	a Westminster	27	57	9th	31	15th	48·6	39·6	44·3	+ 5·1	5	0·57	14	+ 5	Westminster ..	0·8	+ 0·2	10	2	28	—	—	—	—
	ag Greenwich	149	55	9, 10	29	15th	47·6	38·3	43·1	+ 3·9	4	0·53	13	+ 4	Greenwich ..	1·5	0·0	19	3	28	—	—	—	—
	a Hampstead	450	54	9th	30	15th	46·3	37·6	42·1	—	4	0·49	12	—	Hampstead ..	1·4	—	18	3	22	—	—	—	—
	ag Camden Square ..	110	57	9th	28	15th	47·7	37·4	42 8	+ 4·4	4	0·55	14	+ 4	Camden Square	—	—	—	2	24	—	—	—	—
7. a. ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	51	9, 10	26	14th	43·1	33·7	38·6	+ 0·9	5	2·42	61	+ 44	Aspatria.. ..	1·0	- 0·3	13	2	21	41·6	+1·6	44·6	+0·7
	p Newton Rigg	559	54	10th	25	14, 15	42·9	32·0	37·7	+ 1·2	6	2·70	69	+ 52	Newton Rigg ..	0·9	- 0·3	12	3	19	—	—	—	—
	p Stonyhurst	375	54	9th	27	15th	46·0	36·9	41·6	+ 4·1	6	1·63	41	+ 19	Stonyhurst ..	0·7	- 0·2	10	2	23	—	—	—	—
	a Blackpool	66	51	9, 10	29	15th	45·7	37·4	41·7	+ 3·3	5	1·50	38	+ 24	Blackpool ..	1·1	- 0·2	15	2	24	43·1	—	45·4	—
	a Southport	37	54	9th	29	15th	46·1	38·3	42·4	+ 4·0	5	1·16	29	+ 16	Southport ..	1·0	- 0·4	12	2	21	40·8	+2·9	43·4	+2·1
															Hoylake ..	1·9	+ 0·4	24	—	—	—	—	—	—
	a Liverpool (Bidston) ..	188	57	9th	32	15th	47·3	39·3	43·5	+ 4·4	5	0·60	15	+ 4	Liverpool ..	1·8	—	23	2	25	—	—	—	—
	a Hawarden Bridge ..	22	58	9th	29	15th	48·7	38·6	43·9	+ 4·2	5	0·76	19	+ 10	Manchester(City)	0·1	- 0·3	1	0	33	42·3	+4·0	45·2	+1·7
	p Mancnester (Whit. Pk.)	125	57	9th	27	14, 15	47·0	37·4	42·4	+ 3·6	5	0·73	19	+ 6	Whitworth Park	0·0	- 0·5	0	—	—	—	—	—	—
v. NORTH WALES.																							
	p Llandudno	22	57	9th	30	14th	49·3	39·9	44·8	+ 3·6	4	0·87	22	+ 9	Llandudno ..	0·6	- 1·0	8	—	—	—	—	—	—
	a Holyhead ..	10	53	9th	34	15th	48·0	41·4	44·8	+ 3·2	5	1·43	36	+ 20	Holyhead ..	1·0	—	13	1	25	—	—	—	—
	a Aberdovey	60	52	9th	31	14th	48·3	40·9	44·8	—	5	1·05	27	—	Aberdovey ..	0·6	- 1·0	8	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperatures. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	m.m.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. a, SOUTH WALES.																						
a Aberystwyth	16	52	9, 10	30	14th	48·6	40·1	44·5	—	5	1·08	27	—	Aberystwyth ..	0·6	- 1·0	8	—	—	—	—	—
a Rhayader	767	55	9th	22	14th	48·4	35·4	41·1	—	6	1·54	39	—	Rhayader ..	0·8	—	11	2	11	—	—	—
a St. Ann's Head ..	149	53	9th	36	14th	49·1	42·9	46·1	+ 3·9	5	0·87	22	+ 4	St. Ann's Head	0·9	- 0·7	11	—	—	—	—	—
p Cardiff	302	54	10th	30	15th	47·7	38·9	43·5	+ 5·1	4	0·93	24	+ 5	Cardiff	1·2	—	14	4	21	43·7	+ 3·4	46·4	+ 1·9
b, ENGLAND, S.W.																						
a Bath	66	56	10th	27	15th	49·1	38·6	44·1	+ 5·3	4	0·68	17	+ 4	Bath	1·2	- 0·3	14	—	—	44·9	+ 4·4	47·4	+ 2·1
a Shaftesbury	722	54	9th	28	14th	46·6	36·0	41·5	+ 4·4	4	0·58	15	+ 1	Shaftesbury ..	—	—	—	—	—	44·1	—	46·3	—
a Arlington	613	52	10th	28	14, 15	46·6	37·7	42·3	+ 3·6	6	1·15	29	+ 3										
a Newquay	190	54	9th	40	14th	50·1	43·4	46·9	+ 3·9	5	0·85	22	+ 6	Newquay ..	1·2	- 0·5	15	0	36	47·7	—	49·1	—
a Cullompton	302	57	9th	28	15th	50·3	37·4	44·1	+ 4·9	6	0·70	18	+ 1	Cullompton ..	1·6	+ 0·2	20	4	23	45·4	—	—	—
a Portland Bill ..	19	54	9th	34	14th	50·3	42·6	46·6	+ 4·8	5	1·13	29	+ 17	Weymouth ..	1·9	—	24	—	—	—	—	—	—
p Plymouth	116	55	9th	32	14th	51·1	42·6	47·0	+ 5·2	4	0·79	20	+ 2	Plymouth ..	1·6	- 0·1	19	1	27	48·2	+ 3·3	48·9	—
a Falmouth	107	55	9th	35	14, 15	50·6	39·9	45·5	+ 2·6	5	1·19	30	+ 7	Falmouth ..	1·6	- 0·2	19	1	30	46·6	—	49·1	—
9. IRELAND, N.																						
a West .. a Malin Head	208	52	15th	35	12, 15	46·0	37·7	42·0	+ 1·6	5	1·30	33	+ 18	Malin Head ..	1·9	—	26	—	—	—	—	—	—
a Blacksod Point ..	10	53	9th	33	15th	47·7	39·9	44·0	+ 1·9	6	0·75	19	- 10	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	1·4	+ 0·3	19	4	25	42·8	+ 1·2	45·1	+ 0·1
p Markree Castle ..	122	55	9, 10	30	13, 14	48·0	37·0	42·7	+ 3·6	7	1·84	47	+ 24										
b, East .. p Armagh	204	54	9th	30	13, 14	45·7	36·4	41·2	+ 2·4	7	1·97	50	+ 35	Armagh	1·6	+ 0·4	21	3	23	42·2	+ 1·7	45·1	+ 1·4
a Donaghadee	35	55	9th	32	14th	47·1	38·0	42·7	+ 2·7	5	1·55	39	+ 24										
10. IRELAND, S.																						
p Dublin, City	54	57	9th	31	14th	48·1	38·3	43·4	+ 2·1	5	0·99	25	+ 12	Trinity Coll. ..	0·5	—	7	2	25	44·2	+ 2·9	46·5	+ 2·0
a Birr Castle	175	54	9th	28	14th	47·4	36·9	42·4	+ 3·1	5	1·08	27	+ 11	Phœnix Park ..	1·1	- 0·6	15	2	25	—	—	—	—
a Kilkenny	195	57	9th	25	14th	48·0	36·0	42·2	+ 2·8	6	1·30	33	+ 15	Dublin City ..	—	—	—	3	27	—	—	—	—
a Waterford	137	52	9th	28	14th	48·4	37·6	43·2	+ 2·0	6	1·06	27	+ 6	Birr Castle ..	1·7	+ 0·2	21	3	19	—	—	—	—
p Seskin, Carrick-on-Suir	542	57	9th	29	14th	47·4	36·6	42·2	—	6	0·85	22	—	Seskin	1·9	—	24	3	20	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	55	9th	32	14th	48·6	39·7	44·3	+ 2·9	6	1·16	29	+ 7										
a Cahirciveen (Val. Obs.)	30	55	9th	33	14th	50·1	41·0	45·7	+ 1·9	6	1·34	34	+ 2	Cahirciveen ..	1·3	- 0·2	16	1	29	—	—	—	—
a Killarney	174	60	9th	30	14th	50·4	38·6	44·7	+ 2·6	6	1·26	32	- 3	Ballinacurra ..	1·3	- 0·3	17	—	—	—	—	—	—
a Roche's Point	32	55	9th	32	14th	50·1	40·4	45·4	+ 2·4	7	1·05	27	+ 3										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	54	9, 10	41	14th	51·1	44·9	48·1	+ 2·8	5	1·02	26	+ 8	Scilly	1·8	0·0	22	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	56	10th	40	15th	51·3	44·1	47·8	+ 5·3	5	0·48	12	- 5	St. Heliers ..	2·0	0·0	24	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	55	10th	39	14, 15	50·9	43·6	47·4	+ 4·4	5	0·48	12	- 6	Guernsey† ..	2·0	+ 0·2	24	—	—	—	—	—	—

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 15th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m/s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	9	106	31	22	290	7	11	8	19	11	7	45
Aberdeen, (Cup Anr.)¶ ..	120	72	12	—	0	11	3	50	101	14	0	290	12	11	{7 / 8}	—	—	—	—
Edinburgh	485	39	51	—	0	9, 11, 12, 14, 15	15	78	51	24	0	180	13	15	23	23	15	22	50
6. SCOTLAND, W.																			
Eskdalemuir	825	59	22	—	0	9, 11, 13	26	51	35	56	0	220	15	9	21	22	9	21	15
Paisley	188	81	15	—	0	—	0	57	75	36	0	260	9	9	13	22	10	22	55
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	9	4	34	63	58	9	?	12	9	21	23	9	21	0
South Shields	72	61	12	—	0	11 to 13	20	56	60	32	0	70	14	13	3	22	11	4	35
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	13	1	9, 10, 13, 14	15	87	53	12	0	60	17	13	20	24	13	19	30
Shoeburyness	103	90	‡	—	0	9, 10, 13	10	88	46	24	0	220	13	10	16	24	10	14	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	10, 13	8	84	53	23	0	230	15	10	14	22	10	13	45
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	10	5	80	55	28	0	—	13	10	16	22	10	17	10
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	—	0	9, 10, 12 to 14	25	84	55	4	0	230	17	10	14	23	10	14	5
Richmond (Kew Obs.)..	82	65	22	—	0	10	3	62	69	34	0	220	13	10	14	22	10	14	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	9 to 11, 13	51	48	41	3	25	260	17	11	4	—	—	—	—
Southport	80	62	48	10, 11	5	9 to 11, 13	56	52	52	3	0	230	19	10	14	26	10	11	55
Holyhead	60	40	‡	—	0	9 to 11, 13, 14	56	86	26	0	0	40	16	13	7	25	10	11	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	10, 12	16	9 to 13	32	62	31	23	4	230	22	10	11	30	10	18	10
Plymouth	185	88	2	10, 12	2	9 to 12	34	66	57	9	0	—	19	10	13	26	10	12	25
Lyme Regis	556	61	‡	—	0	10	4	55	41	68	0	—	12	10	11	19	10	14	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	9, 10	4	9 to 11, 13	47	56	35	3	23	230	18	9	23	—	—	—	—
Quilty	100	40	‡‡	9, 10	2	9 to 11	55	71	35	3	0	—	18	10	1	26	10	0	30
Cahirciveen (Val. Obs.)	98	41	‡‡	—	0	9, 10	28	79	47	14	0	210	16	10	6	23	10	6	20
Weaver Pt.	160	30	‡	—	0	9 to 11	27	78	56	7	0	—	17	10	7	26	10	8	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	10	2	9, 10, 12	10	82	44	30	0	270	19	10	18	26	10	18	5

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.
¶ Tube Anemograph out of action since Feb. 5th, 1920.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SECOND WEEK of 1921—January 9th to January 15th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	53	24	78·6	73·0	75·9	− 0·2	0	− 5	36	− 1	5	0	0·87	22	− 7	1·3	+0·4	18	1000
Eastern.																			
1. SCOTLAND, EAST ...	55	15	78·5	72·3	75·6	+ 0·1	0	− 4	38	− 6	5	+ 1	0·82	21	+ 8	1·7	+0·5	23	1001
2. ENGLAND, N.E.	58	25	80·4	74·7	77·7	+ 1·5	10	+ 4	28	− 9	4	0	1·10	28	+ 18	1·0	−0·2	13	1003
3. ENGLAND, EAST ...	58	27	81·6	75·9	78·9	+ 3·0	24	+ 17	13	−28	4	0	0·46	12	+ 2	1·9	+0·3	23	1007
4. MIDLAND COUNTIES ...	58	25	81·0	75·2	78·3	+ 2·5	12	+ 4	25	−18	4	0	0·74	19	+ 8	1·2	−0·1	15	1007
5. ENGLAND, S.E.	56	25	82·0	76·8	79·5	+ 2·7	25	+ 14	9	−25	4	0	0·92	23	+ 11	1·8	+0·2	22	1009
Western.																			
6. SCOTLAND, WEST ...	53	21	79·6	74·1	76·9	0·0	5	− 2	31	0	6	+ 2	1·72	44	+ 21	1·7	+0·6	22	1003
7. ENGLAND, N.W.	58	25	81·1	76·1	78·7	+ 1·8	20	+ 11	13	−17	5	+ 1	1·39	35	+ 20	1·0	−0·2	13	1005
8. ENGLAND, S.W.	57	22	82·3	77·0	79·8	+ 2·1	27	+ 13	8	−16	5	+ 1	0·96	24	+ 5	1·2	−0·4	15	1009
9. IRELAND, NORTH ...	55	28	81·3	76·2	78·8	+ 1·4	22	+ 11	12	−15	6	+ 1	1·42	36	+ 16	1·5	+0·3	20	1003
10. IRELAND, SOUTH ...	60	25	82·4	76·7	79·6	+ 1·4	28	+ 11	10	−11	6	+ 2	1·16	29	+ 6	1·4	−0·2	17	1007
11. ENGLISH CHANNEL ...	56	39	83·6	79·8	81·8	+ 2·2	41	+ 19	0	−10	5	0	0·66	17	− 1	1·9	0·0	23	1011
MEAN: DISTRICTS **1-10** ...	60	15	81·0	75·5	78·4	+ 1·6	17	+ 8	19	−14	5	+ 1	1·07	27	+ 12	1·4	+0·1	18	1005

THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, November 28th, 1920, to January 15th, 1921.

0. SCOTLAND, NORTH ...	56	17	79·9	74·7	77·5	+ 0·7	77	+ 19	169	−45	32	− 5	7·92	200	− 37	0·5	−0·2	8	1008
Eastern.																			
1. SCOTLAND, EAST ...	56	11	79·1	73·5	76·4	+ 0·2	48	− 5	256	− 9	32	+ 3	4·97	126	+ 9	1·4	+0·3	21	1010
2. ENGLAND, N.E.	58	15	80·4	75·5	78·0	+ 1·0	104	+ 38	155	−54	34	+ 6	4·85	124	+ 34	0·8	−0·4	11	1012
3. ENGLAND, EAST ...	58	4	80·8	75·7	78·4	+ 1·4	136	+ 58	150	−74	38	+ 9	4·13	104	+ 14	1·0	−0·4	13	1014
4. MIDLAND COUNTIES ...	60	−1	80·5	75·4	78·0	+ 1·2	125	+ 44	181	−59	30	+ 1	4·63	117	+ 12	0·8	−0·4	11	1014
5. ENGLAND, S.E.	57	13	81·3	76·8	79·2	+ 1·2	179	+ 64	116	−51	35	+ 7	5·19	132	+ 16	1·0	−0·5	13	1015
Western.																			
6. SCOTLAND, WEST ...	55	20	80·4	75·4	78·0	+ 0·4	99	+ 16	156	−14	38	+ 5	9·08	232	+ 22	0·9	−0·1	13	1011
7. ENGLAND, N.W.	60	19	80·9	76·1	78·6	+ 0·9	140	+ 49	136	−28	34	+ 3	5·64	142	− 1	1·1	0·0	14	1012
8. ENGLAND, S.W.	58	15	81·5	76·7	79·2	+ 0·4	185	+ 46	121	+ 1	33	0	7·16	182	− 2	1·3	−0·2	16	1014
9. IRELAND, NORTH ...	57	21	81·4	75·6	78·6	+ 0·5	153	+ 51	128	−21	35	− 1	6·54	166	+ 10	1·5	+0·3	20	1009
10. IRELAND, SOUTH ...	60	16	82·0	76·2	79·2	+ 0·2	186	+ 31	119	+ 4	34	0	7·65	193	+ 13	1·6	+0·1	20	1011
11. ENGLISH CHANNEL ...	57	28	82·9	79·5	81·3	+ 0·6	274	+ 50	32	− 6	39	+ 3	5·68	144	− 18	1·4	−0·4	17	1015
MEAN: DISTRICTS **1-10** ...	60	− 1	80·8	75·7	78·4	+ 0·7	135	+ 39	152	−30	34	+ 3	5·98	152	+ 13	1·1	−0·1	15	1012

THE YEAR 1921.—Aggregates, &c., for the Period of 2 Weeks, January 2nd to January 15th, 1921.

0. SCOTLAND, NORTH ...	56	24	80·3	74·7	77·6	+ 1·3	26	+ 15	47	+ 25	11	+ 1	2·84	72	+ 14	0·8	+0·1	13	1000
Eastern.																			
1. SCOTLAND, EAST ...	56	15	80·1	73·4	76·9	+ 1·3	15	+ 5	69	− 17	10	+ 2	1·35	34	+ 5	1·1	0·0	16	1003
2. ENGLAND, N.E.	58	25	81·6	75·8	78·8	+ 2·5	39	+ 26	36	− 36	8	0	1·48	38	+ 15	0·7	−0·4	9	1007
3. ENGLAND, EAST ...	58	27	82·4	77·1	79·9	+ 3·8	55	+ 39	14	− 66	9	+ 1	1·11	28	+ 5	1·3	−0·2	17	1011
4. MIDLAND COUNTIES ...	58	25	81·9	76·5	79·3	+ 3·3	40	+ 23	29	− 54	8	0	1.21	31	+ 5	0·7	−0·5	10	1010
5. ENGLAND, S.E.	56	25	82·7	78·1	80·5	+ 3·5	61	+ 37	9	− 54	10	+ 2	1·61	41	+ 15	1·2	−0·3	15	1013
Western.																			
6. SCOTLAND, WEST ...	53	21	81·0	75·4	78·3	+ 1·3	33	+ 17	40	− 20	13	+ 4	3·50	89	+ 38	1·2	+0·2	16	1005
7. ENGLAND, N.W.	60	25	82·2	77·0	79·7	+ 2·7	52	+ 33	16	− 42	11	+ 3	2·23	56	+ 22	0·7	−0·4	9	1008
8. ENGLAND, S.W.	57	22	82·9	78·1	80·6	+ 2·6	63	+ 32	8	− 38	11	+ 2	1·98	50	+ 8	0·9	−0·6	12	1012
9. IRELAND, NORTH ...	55	28	82·3	76·2	79·4	+ 1·8	56	+ 32	24	− 28	11	+ 2	1·48	63	+ 22	1·2	−0·1	15	1005
10. IRELAND, SOUTH ...	60	25	83·4	77·3	80·4	+ 2·0	67	+ 30	14	− 26	13	+ 4	2·27	57	+ 9	1·2	−0·3	16	1009
11. ENGLISH CHANNEL ...	56	39	83·9	80·5	82·3	+ 2·4	94	+ 45	0	− 19	12	+ 2	1·52	39	+ 1	1·7	−0·2	21	1014
MEAN: DISTRICTS **1-10** ...	60	15	82·0	76·5	79·4	+ 2·5	48	+ 27	26	− 38	10	+ 2	1·82	49	+ 14	1·0	−0·3	14	1008
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
21st January, 1921.

METEOROLOGICAL OFFICE 29 JAN 1921 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 3.

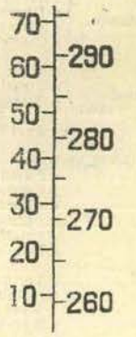
THIRD WEEK.

SUNDAY, JANUARY 16TH, TO SATURDAY, JANUARY 22ND, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week the Icelandic depression moved in a north-easterly direction, while secondaries crossed the British Isles, and unsettled weather was general. On Tuesday the deep cyclonic system, with readings as low as 964 mb. (28·45 inches) was centred over Scandinavia, while an anticyclone lay to the westward of the Bay of Biscay; these conditions brought about the exceedingly violent westerly and north-westerly gales experienced all over the British Isles on Tuesday. At Southport the wind attained (in gusts) a velocity of 34 m/s and at Holyhead 33 m/s. The mean temperature was again (for the fifth consecutive week) well above the normal in all parts of England, the greatest excess, 4 a, being shown in the midland counties. In Scotland, where the very mild weather has not been quite so persistent, the excess for the week was about 2 a. The individual stations with the greatest divergences from normal (in each case about 5 a) were Raunds, Hereford, Marlborough and Lincoln. The highest maxima occurred on various dates, but mostly on the 17th and 18th, when readings of 286 a were registered; the actual highest was 288 a (59° F.) at Raunds. The lowest of the minima were in England S.E. and England N.W. where readings as low as 269 a were reported; the lowest readings on the grass were 264 a at Wisley on the 16th and 267 a at Cambridge, Rothamsted, Kew and Greenwich on the same date. Precipitation exceeded the normal in Scotland N. by as much as 56mm.; amongst the heaviest falls were 59mm. at Fort William and 44mm. at Fort Augustus on the 21st, 52mm. at Buxton and 27mm. at West Witton on the 17th. Bright sunshine was generally in excess of the normal, but in England S.W., Ireland and the Channel Islands there was a deficiency; some good records were obtained on the first day of the week, notably in England E. and England S.E. where seven hours or more were recorded at several stations. Aurora was witnessed at Aberdeen on the 17th; lunar halos were observed at several stations including London on various dates between the 17th and 22nd, and a solar halo at Oxford on the 20th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 27.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	7·1	20	5·0	21	3·9	19	3·9	19	5·1	14	3·7	24	6·0	20	4·9
North	9	4·8	1	1·5	4	3·6	1	1·0	8	7·5	9	6·2	1	2·6	7	3·8
West	27	8·9	28	9·3	27	6·0	26	4·4	26	9·2	27	10·6	25	9·3	28	7·0
East	0	—	0	—	0	—	0	—	0	—	1	0·7	0	—	0	—
Calm	0	—	0	—	0	—	2	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Very unusual
Rainfall ...	Very heavy	Heavy	Light	Moderate	Moderate	Light	Heavy	Heavy	Moderate	Moderate	Light	Light
Sunshine ...	Moderate	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 8 weeks from November 28th, 1920. Warmth ...	4, 3, 1	4, 2, 2	4, 3, 1	6, 1, 1	5, 2, 1	6, 0, 2	4, 2, 2	5, 2, 1	6, 0, 2	6, 1, 1	6, 0, 2	5, 1, 2
Rainfall ...	3, 3, 2	4, 2, 2	3, 3, 2	2, 6, 0	2, 4, 2	4, 1, 3	5, 1, 2	4, 2, 2	3, 3, 2	4, 2, 2	3, 2, 3	2, 3, 3
Sunshine ...	1, 4, 3	6, 1, 1	1, 4, 3	1, 3, 4	0, 5, 3	1, 4, 3	2, 5, 1	1, 6, 1	1, 4, 3	3, 5, 0	1, 5, 2	0, 4, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(81866—19) Wt. 24—561/P25 500 1/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature			
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	50	19, 21	34	19, 22	46·6	36·7	41·9	+ 2·2	7	2·52	64	+ 39										
p Deerness, Orkney ..	165	51	21st	32	22nd	46·1	38·3	42·4	+ 2·8	6	2·48	63	+ 42	Deerness ..	0·8	- 0·1	11	—	—	—	—	—	—
a Stornoway	51	51	20, 21	36	18, 22	46·0	39·6	42·9	+ 2·9	7	2·60	66	+ 35	Stornoway ..	0·9	+ 0·1	13	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	51	21st	38	19, 22	47·7	41·7	44·8	—	7	0·52	13	—	Castlebay ..	0·6	—	8	—	—	—	—	—	—
b, Mainland. a Wick	81	53	21st	32	19th	46·1	35·7	41·1	+ 2·5	7	1·34	34	+ 20										
a Strathpeffer	125	53	20, 21	34	16, 20, 22	48·3	35·6	42·2	+ 4·2	5	3·00	76	+ 57										
p Glencarron	500	52	16th	27	18th	45·4	35·0	40·4	+ 2·6	7	6·48	165	+105										
a Fort Augustus.. ..	65	53	20th	29	22nd	48·6	35·9	42·5	+ 4·1	6	3·37	86	+ 64										
p Fort William	171	51	20th	36	18, 22	47·9	39·9	44·1	+ 4·5	7	5·53	140	+ 83										
1. SCOTLAND, E.																							
a Nairn	82	52	16, 19, 20	33	16th	46·9	36·1	41·7	+ 3·6	6	1·66	42	+ 30	Nairn	1·6	—	32	—	—	—	—	—	—
p Gordon Castle	101	55	21st	32	22nd	48·1	37·9	43·2	+ 4·2	5	1·15	29	+ 17	Gordon Castle..	2·0	—	27	—	—	—	—	—	—
a Aberdeen	46	56	21st	34	16th	48·4	38·4	43·6	+ 4·9	3	0·20	5	- 8	Aberdeen ..	3·1	+ 1·4	41	0	32	—	—	41·0	+1·0
a Balmoral	930	50	16, 20, 21	30	19th	43·0	36·0	39·6	+ 4·4	5	1·23	31	+ 15	Balmoral ..	—	—	—	1	30	—	—	—	—
p Crieff	432	53	20th	31	18th	47·9	37·3	42·8	+ 5·0	5	1·17	30	+ 6	Crathes	—	—	—	—	—	—	—	—	—
a Dundee	244	54	20, 21	30	16th	47·9	35·9	42·1	+ 4·2	5	0·28	7	- 5	Dundee	3·3	—	44	5	27	36·3	—	—	—
a Leith	30	53	20th	32	16th	48·1	39·4	43·9	+ 3·9	6	0·73	19	+ 9	Leith	—	—	—	0	31	—	—	—	—
p Edinburgh	441	52	16th	33	18th	47·6	39·4	43·7	+ 4·9	5	0·88	22	+ 12	Edinburgh ..	1·5	- 0·2	20	0	32	—	—	—	—
a West Linton	769	49	16th	31	19th	44·7	36·1	40·6	+ 5·5	7	2·29	58	—	West Linton ..	0·7	—	9	2	30	—	—	—	—
p Marchmont	498	53	20th	29	18, 19	46·9	31·9	39·7	+ 2·4	3	0·86	22	+ 9	Marchmont ..	2·0	+ 0·6	27	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	50	19–21	36	19th	46·9	39·9	43·5	—	7	2·90	74	—	Ford (Argyll) ..	—	—	—	0	33	40·6	—	42 6	—
p Glasgow Observatory	180	51	20th	35	18th	48·0	40·9	44·6	+ 5·3	7	1·51	38	+ 19	Glasgow.. ..	0·8	+ 0·1	11	0	32	—	—	—	—
a Renfrew	49	51	16, 20, 21	32	16th	47·7	39·6	43·8	—	7	1·60	41	—	Renfrew ..	1·1	—	15	0	34	—	—	—	—
p Rothesay	200	52	21st	34	18, 22	47·7	39·1	43·6	+ 3·4	7	1·99	51	+ 25	Rothesay ..	0·7	—	10	0	32	40·9	—	43·3	+0·9
a Kilmarnock	90	50	16, 19–21	36	19th	47·3	40·4	44·0	+ 5 8	7	1·46	37	+ 16	Kilmarnock ..	0·7	—	10	—	—	41·0	—	43·3	—
a Colmonell	170	51	16, 20, 21	38	19th	48·4	42·0	45·3	+ 5·9	6	0·85	22	- 3	Colmonell ..	—	—	—	0	35	—	—	—	—
p Dumfries	160	53	20th	35	18th	48·7	40·9	45·0	+ 6·4	6	1·20	31	+ 14	Dumfries ..	1·2	—	15	0	32	40·8	+3·3	42·4	+1·4
a Eskdalemuir	794	50	20th	26	16th	44·9	36·3	40·8	—	7	2·95	75	—	Eskdalemuir ..	1·0	—	13	1	30	—	—	—	—
b, I. OF MAN p Douglas	284	53	20th	36	20th	49·7	40·1	45·1	+ 3·6	4	0·51	13	- 7	Douglas	2·1	+ 0·6	27	0	34	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	53	20th	29	16th	49·4	37·9	43·9	+ 5·6	3	0·28	7	- 3										
a Tynemouth	118	51	20th	30	16th	48·7	39·3	44·2	+ 5·3	2	0·37	10	+ 3	Cockle Park ..	2·5	+ 0·8	32	1	30	39·6	+3·2	41 1	+1·3
p Durham	336	54	20th	32	16th	48·4	37·6	43·2	+ 5·8	4	0·16	4	- 3	Durham ..	2·3	+ 0·9	30	1	29	—	—	—	—
a North .. p Rounton	249	51	20th	34	18th	48·0	39·3	43·8	+ 6 5	4	0·19	5	- 2	Rounton ..	—	—	—	3	29	39·2	—	—	—
a West Witton	605	49	16, 20	29	16th	46·4	38·3	42·5	—	5	1·64	42	—	West Witton ..	—	—	—	3	25	38·5	—	42·0	—
p Scarborough	118	52	20th	35	16th	48·7	40·1	44·6	+ 5·6	1	0·17	4	- 5	Scarborough† ..	2·2	+ 0·7	27	—	—	—	—	42·9	—
p York	56	51	17, 20, 21	33	16th	48·0	40·3	44·3	+ 6·1	2	0·11	3	- 5	York	1·8	+ 0 8	23	—	—	41·0	+2·5	44·0	+1·9
b, South .. a Spurn Head	26	50	21st	32	16th	47·9	35·9	42·1	+ 3·4	2	0·16	4	- 2	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	58	53	21st	28	16th	50·4	39·7	45·3	+ 7·9	3	0·38	10	+ 2	Lincoln	—	—	—	1	27	40·5	+3·8	43·9	+2·3
a Fulbeck	180	52	17, 21	28	16th	49·6	38·9	44·5	+ 7 1	2	0·26	7	- 1	Fulbeck	2·3	+ 0·6	28	1	27	—	—	—	—
														Skegness ..	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	58	18th	30	16th	51·7	36·1	44·2	+ 6·4	4	0·11	3	- 4	Cromer	3·0	+ 1·5	37	—	—	—	—	—	—
a Little Massingham ..	277	53	20th	28	16th	49·0	35·8	42·7	+ 5·8	4	0·14	4	- 6	Lit. Massingham	3·0	+ 1·7	37	—	—	—	—	—	—
a Yarmouth	13	54	17, 18, 20	31	16th	50·3	37·6	44·2	+ 6·5	4	0·26	7	- 1	Yarmouth ..	3·4	—	45	1	22	39·4	—	—	—
a Norwich	93	54	17th	29	16th	50·1	38·6	44·6	+ 7·3	4	0·28	7	- 2	Norwich ..	3·7	—	42	—	—	—	—	—	—
a Geldeston	37	55	17, 20	29	16th	51·7	37·4	44·8	+ 6·8	3	0·26	7	- 1	Geldeston ..	3·5	+ 2·0							
p Cambridge	41	56	20th	27	16th	50·6	36·4	43·8	+ 6·2	4	0·61	16	+ 9	Cambridge ..	3·6	+ 2·1	43	2	20	41·7	+3·3	45·4	+2·3
a Clacton-on-Sea ..	54	54	18th	31	16th	49·6	38·6	44·3	+ 6·6	2	0·42	11	+ 5	Clacton	3·6	+ 2·0	43	1	27	42·0	+2·1	46·0	+1·5
a Rothamsted	420	52	17, 18, 20	27	16th	50·0	38·1	44 3	+ 7·1	3	0·37	9	- 1	Rothamsted ..	2·8	+ 1·3	34	1	19	40·4	—	—	—
p Tottenham	51	55	18th	28	16th	50·4	38·1	44·5	—	3	0·28	7	—	Tottenham ..	0·7	—	8	2	26	—	—	45·8	+1·3
														S'thend-on-Sea	3·1	—	37	1	29	42·1	—	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	49	17, 20	31	16th	47·0	39·0	43·2	+ 6·3	5	1·14	29	+ 17	Harrogate ..	1·8	+ 0·3	23	1	26	40·4	+2·2	42·0	+1·5
p Sheffield	429	53	18, 21	33	18th	49·6	40·3	45·1	—	4	1·09	28	—	Sheffield.. ..	1·7	+ 0·4	21	1	26	40·1	+2·4	42·8	+0·7
p Buxton	987	49	20th	31	19th	45·3	37·3	41·5	+ 6·0	6	3·00	76	+ 54	Buxton	1·8	—	22	1	28	39·6	+2·3	42·2	-0·2
b, East .. a Worksop	56	54	21st	28	16th	50·6	40·1	45·6	+ 8·0	2	0·23	6	- 3	Worksop ..	1·5	+ 0·3	18	2	27	40·7	—	43·1	—
a Nottingham	82	54	17th	27	16th	50·9	39·0	45·2	+ 7·4	4	0·46	12	+ 3	Nottingham ..	1·6	+ 0·6	20	1	26	40·8	+3·9	42·2	+1·8
p Birmingham, Edgbsn.	525	53	18th	36	16, 18	49·4	39·7	44·7	+ 6·7	4	0·24	6	- 4	Birmingham ..	1·6	+ 0·5	19	0	32	42·4	+2·8	45·7	+1·1
a Raunds	203	59	20th	26	16th	53·0	37·3	45·5	+ 8·7	2	0·38	10	+ 3	Raunds	2·2	—	27	1	26	41·2	—	—	—
p Oxford	208	55	20th	33	16th	50·1	40·1	45·3	+ 6·7	4	0·18	5	- 4	Oxford	1·5	- 0·1	18	1	30	—	—	—	—
														Malvern ..	2·7	—	32	0	33	41·6	—	44·1	—
a Cheadle (N. Staffs.) ..	646	51	21st	32	16th	47·7	38·6	43·3	+ 6·6	4	0·81	21	+ 9	Cheadle	—	—	—	1	27	—	—	—	—
c, West .. p Tenbury	313	54	18th	34	16th	50·9	40·4	45·9	+ 7·0	3	0·39	10	+ 2	Tenbury	—	—	—	0	32	41·8	—	—	—
a Hereford	291	54	17, 20	30	16th	51·7	40·9	46·5	+ 8·4	3	0·31	8	- 2	Ross-on-Wye ..	2·1	—	26	0	31	42·3	—	45·0	—
a Clifton	226	51	17th	33	16th	48·9	42·3	45·7	+ 6·0	6	0·49	13	- 1	Clifton	1·2	—	15	0	31	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	52	16th	30	16th	50·1	40·3	45·4	+ 7·8	4	0·24	6	- 8	Worthing ..	2·3	+ 0·4	27	1	26	42·6	+3·0	46·5	+1·7
a Wisley, Surrey ..	150	54	18th	24	16th	51·0	38·6	45·1	+ 6 8	3	0·19	5	- 5	Marlborough ..	1·2	- 0·1	14	2	26	44·1	—	46·2	—
a Tunbridge Wells ..	354	52	17th	31	16th	49·7	39·6	44·9	+ 7·1	4	0·30	8	- 6	Wisley	2·3	+ 0·7	27	2	16	42·0	+3·1	45·4	+2·0
a Margate	51	54	17, 18, 21	36	16, 17	51·3	40·3	46 0	+ 6·6	2	0·14	4	- 5	Tunbridge Wells	1·9	+ 0 3	22	2	23	42·2	+5·1	45·4	—
														Margate	2·6	+ 1·1	30	2	28	42·6	+2·4	46·1	+2·3
a Dungeness	21	52	21st	32	16th	49·0	40·6	45·0	+ 5·6	4	0·08	2	- 8	Folkestone ..	2·6	—	30	—	—	—	—	46·3	—
p St. Leonards	178	53	21st	38	20th	49·6	41·3	45·6	+ 5·9	4	0·24	6	- 6	St. Leonards ..	2·3	+ 0·5	27	1	28	42·3	—	46·3	—
p Southampton	64	54	18th	31	16th	50·0	40·0	45·2	+ 5·0	4	0·25	6	- 8	Southampton ..	1·3	- 0·3	15	1	20	—	—	—	—
a Ventnor	50	52	17, 18, 20	37	16th	50·6	42·4	46·7	+ 4·9	6	0·50	13	- 1	Ventnor	2·0	+ 0·3	24	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	54	18th	25	17th	51·2	38·3	45·0	+ 6·0	3	0·21	5	- 5	Richmond ..	1·7	+ 0·4	20	1	21	41·2	+2·3	45·5	+1·4
a Westminster	27	55	18, 20	29	16th	52·1	39·7	46·2	+ 6 5	3	0·28	7	- 2	Westminster ..	1·9	+ 1·3	23	2	26	—	—	—	—
ag Greenwich	149	54	17, 18	29	16th	51·1	39·6	45 6	+ 6·9	3	0·25	6	- 3	Greenwich ..	2·0	+ 0·7	24	2	21	—	—	—	—
a Hampstead	450	52	18, 20	34	18th	48·6	38·4	43·7	—	3	0·28	7	—	Hampstead ..	2·2	—	26	2	25	—	—	—	—
ag Camden Square ..	110	54	17, 18, 20	28	16th	51·7	39·0	45·6	+ 6·7	3	0·27	7	- 3	Camden Square	—	—	—	2	22	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	49	16, 20	33	18th	46·9	39·0	43·1	+ 4·8	6	0·99	25	+ 9	Aspatria.. ..	0·4	- 1·1	5	0	32	41·8	+2 5	43·8	+0·2
p Newton Rigg	559	52	22nd	25	18th	47·9	37·3	42·8	+ 5·6	7	1·88	48	+ 31	Newton Rigg ..	1·3	0·0	17	1	25	—	—	—	—
p Stonyhurst	375	49	17, 20, 21	33	16th	47·4	40·4	44·0	+ 6·0	7	2·12	54	+ 31	Stonyhurst ..	1·5	- 0·5	19	1	29	—	—	—	—
a Blackpool	66	50	17th	35	16th	47·7	40·9	44·4	+ 5·5	6	0 84	21	+ 7	Blackpool ..	1·4	- 0·2	17	0	34	42·4	—	45·0	—
a Southport	37	51	16, 17, 21	33	16th	48·6	41·0	45·0	+ 6 1	5	0·91	23	+ 10	Southport ..	2·2	+ 0·6	27	0	34	41·1	+4·0	42·4	+1·5
														Hoylake ..	1·9	+ 0·2	23	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	54	16, 17	34	16th	50·7	42·4	46·7	+ 7·1	4	0·43	11	0	Liverpool ..	1·9	—	23	1	30	—	—	—	—
a Hawarden Bridge ..	22	56	22nd	32	16th	52·6	40·7	46·9	+ 6·8	4	0·48	12	+ 2	Manchester (City)	0·9	+ 0·5	12	0	37	41·3	+3·2	44·4	+1·3
p Mancnester (Whit. Pk.)	126	53	18, 21	36	19th	50·1	40·7	45·6	+ 6·3	5	1·35	34	+ 21	Whitworth Park	1·2	+ 0·6	15	—	—	—	—	—	—
c, NORTH WALES.																							
p Llanducno	22	55	16th	40	19th	50·9	44·3	47·7	+ 6·1	5	0·93	24	+ 10	Llandudno ..	2·2	+ 0·3	27	—	—	—	—	—	—
a Holyhead	15	53	17th	41	19th	50·1	44·6	47·5	+ 5·5	4	0·55	14	- 1	Holyhead ..	1·3	—	17	0	39	—	—	—	—
a Aberdovey	60	51	17th	40	19th	49·4	44·6	47·1	—	5	1·26	32	—	Aberdovey ..	0·9	- 1·0	11	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft Mean	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																							
a Aberystwyth	16	52	16th	40	19th	49·1	44·1	46·7	—	6	0·88	22	—	Aberystwyth ..	0·8	- 1·0	10	—	—	—	—	—	—
a Rhayader	757	52	17th	31	16th	48·3	40·4	44·5	—	6	2·59	66	—	Rhayader ..	1·4	—	17	0	34	—	—	—	—
a St. Ann's Head ..	149	52	17, 18	44	19th	50·4	46·9	48·7	+ 5·9	5	0·36	9	- 7	St. Ann's Head ..	0·9	- 0·7	11	—	—	—	—	—	—
p Cardiff	202	52	18th	38	18th	49·3	41·6	45·6	+ 6·6	7	0·96	24	+ 6	Cardiff	0·9	—	11	0	35	43·5	+ 4·3	45·8	+ 1·9
b. ENGLAND, S.W.																							
a Bath	66	53	17, 18	31	16th	51·3	42·7	47·2	+ 7·7	5	0·19	5	- 7	Bath	0·9	- 0·6	10	—	—	44·0	+ 4·1	46·8	+ 2·5
a Shaftesbury	722	51	17, 18	33	16th	48·7	39·3	44·2	+ 6·4	4	0·29	7	- 6	Shaftesbury ..	—	—	—	—	—	42·7	—	45·6	—
a Arlington	613	50	16, 17	39	16th	48·6	42·8	45·8	+ 6·5	7	1·79	45	+ 21										
a Newquay	190	52	16–18	44	19th	51·0	46·0	48·6	+ 5·1	7	0·43	11	- 4	Newquay ..	0·5	- 1·2	6	0	43	47·9	—	48·9	—
a Cullompton	202	53	17, 20	34	16th	51·6	43·4	47·7	+ 7·8	5	0·37	9	- 7	Cullompton ..	0·9	- 0·5	11	0	35	45·1	—	—	—
a Portland Bill	19	53	17, 18	43	16th	51·0	45·6	48·4	+ 6·2	5	0·14	4	- 7	Weymouth ..	1·0	—	12	—	—	—	—	—	—
p Plymouth	116	54	18th	44	19, 22	51·4	46·1	48·9	+ 6·5	5	0·43	11	- 5	Plymouth ..	1·3	- 0·4	15	0	38	46·2	+4·2	48·2	—
a Falmouth	167	53	17, 18	41	16th	51·9	45·0	48·6	+ 5·1	5	0·46	12	- 9	Falmouth ..	1·1	- 0·7	13	0	41	47·3	—	48·4	—
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	53	21st	32	19th	49·4	42·0	45·9	+ 4·6	5	1·06	27	+ 13	Malin Head ..	? 0·0	—	0	—	—	—	—	—	—
a Blacksod Point ..	10	54	19th	39	22nd	50·1	44·4	47·4	+ 4·3	7	0·91	23	- 3	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	1·4	0·0	17	0	34	43·9	+ 3·0	45·1	+ 0·4
p Markree Castle ..	122	53	16, 18, 20	38	18th	52·0	42·0	47·2	+ 7·1	6	0·81	21	+ 1										
b. East .. { *p* Armagh	204	53	20th	36	18th	50·6	41·6	46·3	+ 6·4	5	0·74	19	+ 6	Armagh	1·2	- 0·3	15	0	33	43·1	+ 3·0	44·6	+ 1·2
a Donaghadee	35	55	20th	35	19th	49·7	42·4	46·2	+ 5·2	5	0·77	20	+ 7										
10. IRELAND, S.																							
p Dublin, City	54	54	16, 18	39	19th	52·3	43·4	48·0	+ 5·6	4	0·34	9	- 3	Trinity Coll. ..	1·9	—	24	0	31	44·7	+ 4·0	46·1	+ 2·0
a Birr Castle	175	53	21st	39	19, 20	49·9	42·6	46·4	+ 6·0	5	0·52	13	- 2	Phœnix Park ..	2·4	+ 0·6	30	0	34	—	—	—	—
a Kilkenny	195	54	17, 21	39	17, 19	50·7	42·4	46·7	+ 6·2	5	0·26	7	- 10	Dublin City ..	—	—	—	0	34	—	—	—	—
a Waterford	137	56	17th	39	19th	52·3	43·7	48·2	+ 6·0	2	0·09	2	- 17	Birr Castle ..	1·3	- 0·3	16	1	29	—	—	—	—
p Seskin, Carrick-on-Suir	542	52	18, 20, 21	38	18, 19	50·6	41·7	46·3	—	4	0·37	9	—	Seskin	2·6	—	32	0	34	—	—	—	—
a Cahir	199	57	20th	36	16th	52·3	41·1	46·9	+ 5·7	7	0·63	16	—										
a Foynes	50	53	17, 20, 21	41	18th	50·9	43·6	47·4	+ 5·0	6	0·77	20	0										
a Cahirciveen (Val. Obs.)	30	52	20th	44	18th	50·6	46·1	48·4	+ 3·5	5	0·24	6	- 23	Cahirciveen ..	1·4	- 0·1	17	0	38	—	—	—	—
a Killarney	174	54	17, 21	42	17, 19	51·2	44·5	48·0	+ 4·8	4	0·36	9	- 22	Ballinacurra ..	1·1	- 0·7	13	—	—	—	—	—	—
a Roche's Point	32	55	17th	41	19th	52·0	46·6	49·4	+ 5·4	6	0·18	5	- 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	16–18	43	19th	51·9	47·6	49·8	+ 4·1	5	0·21	5	- 10	Scilly	0·9	- 0·9	11	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	55	18th	38	17th	51·1	43·4	47·4	+ 4·7	5	0·29	7	- 6	St. Heliers ..	1·6	- 0·5	18	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	54	18th	42	16th	51·1	45·6	48·5	+ 5·2	7	0·30	8	- 7	Guernsey† ..	1·0	- 0·9	11	0	34	46·3	+ 2·8	48·5	+ 1·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 22nd, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	18, 19, 21	9	15 to 21	82	70	7	0	0	280	19	18	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	42	117	9	0	180	10	17	4	22	18	13	0
Aberdeen (Cup Anr.)¶ .	120	72	12	—	0	18 to 19	12	100	51	5	0	300	13	19	1	—	—	—	—
Edinburgh	485	39	51	17, 21	10	16 to 22	53	103	2	0	0	230	19	21	23	30	21	22	40
6. SCOTLAND, W.																			
Eskdalemuir	826	50	22	18, 21	11	16 to 22	78	77	2	0	0	230	21	21	15	31	13	10	15
Paisley	188	81	15	—	0	17 to 19	17	133	18	0	0	310	15	18	18	32	18	14	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	21	1	18, 21, 22	12	69	74	12	0	230	17	21	24	32	22	1	10
South Shields	72	61	12	—	0	18, 20 to 22	23	100	36	9	0	260	17	22	3	29	22	2	45
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	18, 19	19	95	54	0	0	310	13	18	13	23	18	15	45
Shoeburyness	103	90	‡	—	0	18, 19	17	83	64	3	1	270	13	18	11	27	18	9	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	17, 18, 22	19	86	63	0	0	250	15	18	10	25	18	10	45
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	18	7	78	83	0	0	—	13	18	10	23	18	12	25
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill, S'y Plain ..	513	63	43	17, 18	13	17 to 22	48	88	19	0	0	270	22	18	10	35	18	10	35
Richmond (Kew Obs.)..	82	65	22	—	0	18	7	70	80	11	0	240	12	18	11	27	18	11	15
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	18, 19	23	17 to 22	57	80	8	0	0	300	25	18	22	—	—	—	—
Southport	80	62	48	18, 19, 22	28	17 to 22	74	46	20	0	0	280	24	18	13	34	18	19	25
Holyhead	60	40	‡	18, 19	25	17 to 19, 21, 22	73	65	5	0	0	300	24	18	20	33	18	19	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	18	6	17 to 19, 21, 22	43	68	50	1	0	270	19	18	10	29	18	8	25
Plymouth	185	88	2	—	0	17 to 19	29	84	55	0	0	—	14	17	24	25	18	10	15
Lyme Regis	556	61	‡	—	0	17 to 19	22	45	49	52	0	—	16	18	9	28	18	10	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	17, 18, 22	23	17 to 22	65	54	24	0	2	230	21	18	4	—	—	—	—
Quilty	100	40	‡	17, 18	22	16 to 22	88	58	0	0	0	—	21	18	13	32	18	11	40
Cahirciveen (Val Obs.)	98	41	‡	—	0	16 to 18, 21, 22	54	83	31	0	0	250	16	18	5	30	18	7	50
Weaver Pt.	160	30	‡	—	0	17 to 19, 21	53	55	54	6	0	—	16	18	7	31	18	7	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	18	11	17 to 19	31	54	61	8	3	260	20	18	10	30	18	10	10

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRD WEEK of 1921—January 16th to January 22nd, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	27	81·3	75·7	78·6	+ 1·8	22	+ 15	14	−16	7	+ 2	3·55	90	+ 56	0·9	+0·1	12	1002
Eastern.																			
1. SCOTLAND, EAST ...	56	29	81·2	75·6	78·5	+ 2·2	13	+ 7	24	−13	5	+ 1	1·16	29	+ 14	2·3	+0·8	31	1006
2. ENGLAND, N.E.	54	28	82·3	76·8	79·7	+ 3·2	27	+ 20	9	−25	3	0	0·23	6	− 2	2·2	+0·8	28	1013
3. ENGLAND, EAST ...	58	27	83·2	76·0	79·8	+ 3·6	35	+ 29	13	−25	3	− 1	0·30	8	− 1	3·0	+1·5	36	1020
4. MIDLAND COUNTIES ...	59	26	83·0	77·3	80·3	+ 4·0	31	+ 23	6	−32	4	0	0·46	12	+ 2	1·6	+0·3	20	1020
5. ENGLAND, S.E.	54	24	83·2	77·6	80·4	+ 3·3	31	+ 21	5	−25	4	+ 1	0·24	6	− 6	2·0	+0·5	24	1023
Western.																			
6. SCOTLAND, WEST ...	53	34	81·9	77·7	79·9	+ 2·2	23	+ 13	4	−19	6	+ 1	1·49	38	+ 12	1·5	+0·3	19	1011
7. ENGLAND, N.W.	56	25	82·7	78·1	80·4	+ 3·2	27	+ 19	2	−26	5	+ 1	1·07	27	+ 11	1·4	+0·1	18	1018
8. ENGLAND, S.W.	54	31	83·1	79·3	81·3	+ 3·3	35	+ 20	0	−23	5	+ 1	0·76	19	+ 1	1·0	−0·6	12	1024
9. IRELAND, NORTH ...	55	32	83·2	78·8	81·1	+ 3·2	32	+ 18	0	−22	5	0	0·78	20	+ 2	1·3	−0·1	16	1013
10. IRELAND, SOUTH ...	57	36	83·8	79·6	81·7	+ 2·9	40	+ 19	0	−19	5	0	0·38	10	− 10	1·6	−0·1	19	1023
11. ENGLISH CHANNEL ...	55	38	83·8	80·5	82·2	+ 2·4	46	+ 22	0	− 8	6	+ 1	0·27	7	− 7	1·2	−0·8	13	1028
MEAN: DISTRICTS 1-10 ...	59	24	82·8	77·7	80·3	+ 3·1	29	+ 19	6	−23	5	0	0·69	18	+ 2	1·8	+0·4	22	1017

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, November 28th, 1920, to January 22nd, 1921.

0. SCOTLAND, NORTH ...	56	17	80·1	74·9	77·6	+ 0·8	99	+ 34	183	−61	39	− 3	11·47	290	+ 19	0·5	−0·2	8	1007
Eastern.																			
1. SCOTLAND, EAST ...	56	11	79·4	73·7	76·7	+ 0·5	61	+ 2	280	−22	37	+ 4	6·13	155	+ 23	1·5	+0·4	22	1009
2. ENGLAND, N.E.	58	15	80·7	75·6	78·3	+ 1·3	131	+ 58	164	−79	37	+ 6	5·08	130	+ 32	1·0	−0·2	13	1012
3. ENGLAND, EAST ...	58	4	81·1	75·7	78·6	+ 1·7	171	+ 87	163	−99	41	+ 8	4·43	112	+ 13	1·2	−0·2	16	1015
4. MIDLAND COUNTIES ...	60	−1	80·8	75·7	78·3	+ 1·5	156	+ 67	187	−91	34	+ 1	5·09	129	+ 14	0·9	−0·3	12	1014
5. ENGLAND, S.E.	57	13	81·5	76·9	79·3	+ 1·4	210	+ 85	121	−76	39	+ 8	5·43	138	+ 10	1·1	−0·4	14	1016
Western.																			
6. SCOTLAND, WEST ...	55	20	80·6	75·7	78·3	+ 0·7	122	+ 29	160	−33	44	+ 6	10·57	270	+ 34	1·0	0·0	14	1011
7. ENGLAND, N.W.	60	19	81·1	76·4	78·9	+ 1·2	167	+ 68	138	−54	39	+ 4	6·71	169	+ 10	1·1	0·0	15	1013
8. ENGLAND, S.W.	58	15	81·7	77·1	79·5	+ 0·8	220	+ 66	121	−22	38	+ 1	7·92	201	− 1	1·3	−0·2	16	1015
9. IRELAND, NORTH ...	57	21	81·6	76·0	80·1	+ 2·0	185	+ 69	128	−43	40	− 1	7·32	186	+ 12	1·4	+0·2	19	1010
10. IRELAND, SOUTH ...	60	16	82·3	76·7	79·6	+ 0·6	226	+ 50	119	−15	39	0	8·03	203	+ 3	1·6	+0·1	20	1013
11. ENGLISH CHANNEL ...	57	28	83·0	79·6	81·4	+ 0·8	320	+ 72	32	−14	45	+ 4	5·95	151	− 25	1·3	−0·5	16	1017
MEAN: DISTRICTS 1-10 ...	60	−1	81·1	75·9	78·8	+ 1·2	165	+ 58	158	−53	39	+ 4	6·67	169	+ 15	1·2	−0·1	16	1013

THE YEAR 1921.—Aggregates, &c., for the Period of 3 Weeks, January 2nd to January 22nd, 1921.

0. SCOTLAND, NORTH ...	56	24	80·6	75·0	77·9	+ 1·5	48	+ 30	61	− 41	18	+ 3	6·39	162	+ 70	0·8	+0·1	12	1001
Eastern.																			
1. SCOTLAND, EAST ...	56	15	80·4	74·1	77·4	+ 1·6	28	+ 12	93	− 30	15	+ 3	2·51	63	+ 19	1·5	+0·3	21	1004
2. ENGLAND, N.E.	58	25	81·8	76·1	79·1	+ 2·8	66	+ 46	45	− 61	11	0	1·71	44	+ 13	1·2	0·0	15	1009
3. ENGLAND, EAST ...	58	27	82·7	76·7	79·9	+ 3·8	90	+ 68	27	− 91	12	0	1·41	36	+ 4	1·9	+0·4	23	1014
4. MIDLAND COUNTIES ...	59	25	82·2	76·8	79·6	+ 3·5	71	+ 46	35	− 86	12	0	1.67	43	+ 7	1·0	−0·3	13	1013
5. ENGLAND, S.E.	56	24	82·9	77·9	80·4	+ 3·4	92	+ 58	14	− 79	14	+ 3	1·85	47	+ 9	1·5	0·0	18	1016
Western.																			
6. SCOTLAND, WEST ...	53	21	81·3	76·2	78·8	+ 1·7	56	+ 30	44	− 39	19	+ 5	4·99	127	+ 50	1·3	+0·2	17	1007
7. ENGLAND, N.W.	60	25	82·4	77·4	79·9	+ 2·8	79	+ 52	18	− 68	16	+ 4	3·30	83	+ 33	0·9	−0·3	12	1011
8. ENGLAND, S.W.	57	22	82·9	78·5	80·8	+ 2·8	98	+ 52	8	− 61	16	+ 3	2·74	69	+ 9	1·0	−0·6	12	1016
9. IRELAND, NORTH ...	55	28	82·6	77·0	79·9	+ 2·2	88	+ 50	24	− 50	17	+ 2	3·26	83	+ 24	1·2	−0·1	16	1007
10. IRELAND, SOUTH ...	60	25	83·5	78·0	80·8	+ 2·3	107	+ 49	14	− 45	18	+ 4	2·65	67	− 1	1·3	−0·3	17	1013
11. ENGLISH CHANNEL ...	56	38	83·8	80·5	82·2	+ 2·4	140	+ 67	0	− 27	18	+ 3	1·79	46	− 6	1·5	−0·4	18	1019
MEAN: DISTRICTS 1-10 ...	60	15	82·3	76·9	79·7	+ 2·7	77	+ 46	32	− 61	15	+ 2	2·61	66	+ 17	1·3	−0·1	16	1011
	°F	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
28th January, 1921.

METEOROLOGICAL OFFICE
5 - FEB 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) No. 4.

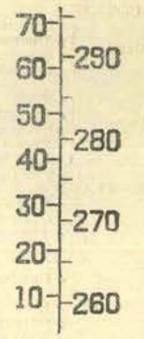
FOURTH WEEK.

SUNDAY, JANUARY 23RD, TO SATURDAY, JANUARY 29TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the past week was for the most part dull and rainy, with a continuation of the high temperature experienced for several weeks past; the winds were mainly from west or south-west and of moderate strength. Although the barometer showed an upward tendency on Thursday, it did not affect the weather to any extent, the week concluding with similar conditions to those already mentioned. Warm days were again experienced, maxima of 287 a being registered at several places; the highest readings were, as a rule, on the 28th. Although the readings of the screen minimum were below the freezing point at many places in Scotland, in England and Ireland it did not descend below 273 a, the lowest reading being recorded at Durham on the 24th and 25th and Newton Rigg on the 27th. On the grass the thermometer went down to 267 a at Southampton on the 23rd and at Dundee on the 27th. The mean temperature of the week was everywhere above the normal, with an excess of about 4 a or 5 a in all the English and Irish districts. Precipitation was a good deal in excess of the normal in Scotland, many stations having rain or snow on each of the seven days, but in most of the other districts there was a deficiency; the heaviest falls were 74mm. at Glencarron on the 27th, 48mm. at Fort William on the 28th, 32mm. at Castlebay on the 24th, 30mm. at Crieff on the 23rd, and a total of 62mm. at Ford (Argyll) for the two days 23rd and 24th. Bright sunshine was below the normal at every station, although several good measurements were made towards the end of the week, Aberdeen having six hours on the 26th and Cromer and Worthing about the same amount on the 27th; at quite a number of stations, however, the week was sunless. Solar halos were observed at Oxford on the five days 23rd to 27th inclusive and South Farnborough on the 26th and lunar halos at Oxford on the 24th and at Dublin on the 25th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	5·5	17	4·7	23	2·5	22	2·9	23	4·9	14	4·8	26	5·7	25	4·5
North	13	5·3	1	1·8	3	3·6	2	2·5	2	1·9	9	3·5	0	—	1	2·7
West	17	8·1	20	7·8	25	4·6	24	3·1	28	5·4	28	6·5	25	6·8	23	4·2
East	9	3·1	4	3·4	1	0·8	0	—	0	—	0	—	1	1·0	0	—
Calm	1	—	2	—	1	—	3	—	0	—	0	—	1	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Heavy	Very heavy	Heavy	Moderate	Light	Light	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty	Scanty	Scanty	Very scanty	Very scanty	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 9 weeks from November 28th, 1920.	Warmth ...	4, 4, 1	5, 2, 2	5, 3, 1	7, 1, 1	6, 2, 1	7, 0, 2	5, 2, 2	6, 2, 1	7, 0, 2	7, 1, 1	7, 0, 2	6, 1, 2
	Rainfall ...	4, 3, 2	5, 2, 2	4, 3, 2	2, 7, 0	2, 4, 3	4, 1, 4	6, 1, 2	5, 2, 2	3, 4, 2	4, 3, 2	3, 3, 3	2, 4, 3
	Sunshine ...	1, 4, 4	6, 1, 2	1, 4, 4	1, 3, 5	0, 5, 4	1, 4, 4	2, 5, 2	1, 6, 2	1, 4, 4	3, 5, 1	1, 5, 3	0, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31972—19) Wt. 24—561/T25 500 2/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week.											Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands	*a* Lerwick	54	49	28th	24	24th	43·9	30·1	37·3	- 1·6	6	1·50	38	+ 9									
	p Deerness, Orkney	165	49	28th	29	24th	44·3	35·3	40·0	+ 1·1	7	1·25	32	+ 7	Deerness	0·1	- 0·9	2	—	—	—	—	—
	a Stornoway	51	51	27, 28	30	24th	47·9	36·7	42·5	+ 3·1	7	2·24	57	+ 21	Stornoway	†0·3	- 0·7	4	—	—	—	—	—
	a Castlebay, Barra I.	37	51	27-29	37	24, 25	49·3	40·7	45·2	—	7	2·52	64	—	Castlebay	0·0	—	0	—	—	—	—	—
b, Mainland	*a* Wick	81	51	27, 28	29	24th	44·6	34·3	39·7	+ 1·7	7	0·47	12	- 6									
	a Strathpeffer	125	52	27, 28	28	24, 25	44·3	32·1	38·4	+ 0·9	6	1·54	39	+ 17									
	p Glencarron	500	50	29th	27	24th	44·0	34·9	39·6	+ 2·4	7	5·99	152	+ 84									
	a Fort Augustus	65	55	28th	30	24, 25	46·4	34·0	40·5	+ 2·7	7	2·63	67	+ 30									
	p Fort William	171	52	28th	29	24th	45·4	37·1	41·4	+ 2·4	7	5·37	136	+ 70									
1. SCOTLAND, E.																							
	a Nairn	82	53	28th	29	25th	46·1	34·0	40·3	+ 2·8	7	0·95	24	+ 13	Nairn	0·4	—	5	—	—	—	—	—
	p Gordon Castle	101	55	28th	30	24th	45·0	35·6	40·5	+ 1·9	6	0·82	21	+ 10	Gordon Castle	0·5	—	7	—	—	—	—	—
	a Aberdeen	46	54	28th	31	24th	46·7	35·8	41·4	+ 2·9	7	0·72	18	+ 6	Aberdeen	1·3	- 0·5	17	3	29	—	—	40·9	+1·2
	a Balmoral	930	52	28th	25	24th	43·1	31·0	37·3	+ 2·6	7	0·81	21	+ 6	Balmoral	—	—	—	5	25	—	—	—	—
	p Crieff	432	54	28, 29	27	24th	46·0	34·3	40·4	+ 2·8	6	2·12	54	+ 32	Crathes	—	—	—	—	—	—	—	—	—
	a Dundee	244	52	28, 29	28	24, 25	45·0	33·1	39·3	+ 1·8	5	1·44	37	+ 26	Dundee	1·3	—	16	5	22	36·6	—	—	—
	a Leith	30	55	28th	32	25th	49·1	38·6	44·1	+ 4·5	5	1·62	41	+ 32	Leith	—	—	—	0	32	—	—	—	—
	p Edinburgh	441	53	28, 29	30	24th	48·6	38·9	43·9	+ 5,5	5	1·58	40	+ 30	Edinburgh	0·8	- 1·1	10	0	31	—	—	—	—
	a West Linton	769	51	28, 29	29	25th	46·9	35·6	41·5	+ 6·7	6	2·16	55	—	West Linton	0·3	—	4	2	28	—	—	—	—
	p Marchmont	498	54	29th	25	24th	45·7	31·1	38·7	+ 1·7	5	1·65	42	+ 29	Marchmont	0·3	- 1·3	4	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
	a Ford (Argyll)	149	52	28th	33	25th	48·0	36·9	42·7	—	7	4·37	111	—	Ford (Argyll)	—	—	—	0	31	41·7	—	42·8	—
	p Glasgow Observatory	180	52	28th	31	24th	48·4	39·8	44·3	+ 5·2	7	1·76	45	+ 26	Glasgow	0·0	- 0·8	0	1	30	—	—	—	—
	a Renfrew	49	54	28th	31	25th	48·6	38·0	43·5	—	6	1·50	38	—	Renfrew	0·0	—	0	0	31	41·6	—	43·6	+1·5
	p Rothesay	200	53	28th	31	24th	49·4	39·6	44·7	+ 4·7	7	2·71	69	+ 43	Rothesay	0·0	—	0	0	31				
	a Kilmarnock	90	52	28th	34	25th	48·6	40·1	44·5	+ 6·3	7	1·65	42	+ 22	Kilmarnock	0·0	—	0	—	—	42·4	—	43·4	—
	a Colmonell	170	53	25, 28	40	23, 25	51·3	43·0	47·3	+ 8·1	6	1·81	46	+ 21	Colmonell	—	—	—	—	36	—	—	—	—
	p Dumfries	160	53	28th	35	24th	50·1	40·0	45·3	+ 6·7	7	0·93	24	+ 6	Dumfries	0·3	—	4	0	34	42·6	+5·7	43·0	+2·6
	a Eskdalemuir	794	51	28th	31	25th	46·4	35·9	41·4	—	6	2·38	61	—	Eskdalemuir	0·0	—	0	0	31	—	—	—	—
b, I. OF MAN	*p* Douglas	284	52	25, 26, 28	41	23rd	51·1	45·3	48·3	+ 7·2	7	1·06	27	+ 7	Douglas	0·5	- 1·2	6	0	36	—	—	—	—
2. ENGLAND, N.E																							
a North	*a* Alnwick Castle	210	56	25th	34	24th	51·4	41·0	46·4	+ 8·1	4	1·20	31	+ 20									
	a Tynemouth	118	55	28th	35	25th	50·7	40·1	45·6	+ 6·7	4	1·02	26	+ 18	Cockle Park	0·4	- 1·5	5	1	29	40·9	+5·0	41·9	+2·4
	p Durham	336	58	28th	32	24, 25	50·0	37·4	44·0	+ 6·5	5	0·51	13	+ 5	Durham	0·8	- 0·9	9	1	30	—	—	—	—
	p Rounton	249	53	28th	35	24, 25	49·6	39·3	44·7	+ 7·3	6	0·39	10	+ 2	Rounton	—	—	—	2	28	41·1	—	—	—
	a West Witton	605	51	28th	34	25th	48·4	40·1	44·4	—	7	0·96	24	—	West Witton	—	—	—	0	31	41·0	—	41·9	—
	p Scarborough	118	54	28, 29	36	24, 25	50·7	40·9	46·0	+ 6·9	6	0·55	14	+ 4	Scarborough†	0·5	- 1·1	6	—	—	—	—	43·2	—
	p York	56	54	28th	37	24th	51·0	41·7	46·5	+ 8·1	6	0·27	7	- 2	York	0·0	- 1·2	0	—	—	42·9	+5·0	44·0	+2·3
b, South	*a* Spurn Head	26	54	29th	35	23, 24	49·3	38·3	44·0	+ 5·2	4	0·28	7	0	Spurn Head	—	—	—	—	—	—	—	—	—
	a Lincoln	58	52	23, 27-29	37	25th	51·3	41·9	46·8	+ 9·1	2	0·13	3	- 5	Lincoln	—	—	—	0	35	43·1	+6·8	43·7	+2·7
	a Fulbeck	180	53	28, 29	38	25, 27, 28	51·1	40·4	46·0	+ 8·3	5	0·16	4	- 4	Fulbeck	0·3	- 1·6	3	1	30	—	—	—	—
															Skegness	1·2	- 0·8	14	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	196	54	28th	34	25, 28	50·7	37·7	44·5	+ 6·1	4	0·27	7	- 1	Cromer	1·2	- 1·0	14	—	—	—	—	—	—
	a Little Massingham	277	52	28, 29	35	25th	49·4	38·0	43·9	+ 6·3	4	0·50	13	+ 2	Lit. Massingham	0·8	- 1·1	9	—	—	—	—	—	—
	a Yarmouth	13	54	28, 29	34	28th	50·9	39·1	45·2	+ 7·0	5	0·32	8	- 1	Yarmouth	1·1	—	13	0	34	43·1	+5·8	45·0	+2·2
	a Norwich	93	54	28, 29	35	28th	51·0	40·7	46·1	+ 8·1	4	0·51	13	+ 3	Norwich	1·0	—	12	1	28	41·8	—	—	—
	a Geldeston	37	55	28th	33	28th	51·9	38·7	45·6	+ 7·0	5	0·41	10	+ 1	Geldeston	1·3	- 0·8	15	—	—	—	—	—	—
	p Cambridge	41	57	28th	37	28th	52·1	41·9	47·2	+ 8·9	3	0·05	1	- 7	Cambridge	0·0	- 2·1	0	2	29	43·7	+6·0	45·1	+2·6
	a Clacton-on-Sea	54	52	28th	39	23rd	49·6	41·6	45·8	+ 7·5	1	0·04	1	- 6	Clacton	0·4	- 1·9	5	0	33	43·8	+4·6	45·7	+1·8
	a Rothamsted	420	52	28th	36	28th	50·4	41·0	45·9	+ 8·1	5	0·09	2	- 9	Rothamsted	0·3	- 1·8	3	1	26	42·8	—	—	—
	p Tottenham	51	54	26, 28, 29	40	23, 24	52·1	43·3	47·9	—	4	0·10	3	—	Tottenham	0·0	—	0	0	37	—	—	45·6	+1·8
															S'thend-on-Sea	0·5	—	5	0	32	43·8	+5·8	—	—
4. MIDLAND COUNTIES.																							
a North	*a* Harrogate	479	52	28th	35	25th	49·3	40·9	45·3	+ 7·8	7	0·60	15	+ 2	Harrogate	0·2	- 1·6	3	0	35	42·2	+4·7	42·7	+2·7
	p Sheffield	429	54	28th	38	25th	52·0	42·1	47·3	—	6	0·50	13	—	Sheffield	0·4	- 1·2	4	0	35	42·4	+5·4	43·0	+1·4
	p Buxton	987	50	25th	38	23, 25, 28	46·9	40·1	43·6	+ 7·6	7	1·49	38	+ 14	Buxton	0·3	—	4	0	33	41·7	+5·1	42·3	+0·6
b, East	*a* Worksop	56	58	28th	38	25th	53·0	42·4	47·9	+ 9·5	4	0·19	5	- 5	Worksop	0·3	- 1·1	3	1	29	43·1	—	43·6	—
	a Nottingham	82	55	28th	38	23rd	52·7	41·6	47·4	+ 9·0	3	0·12	3	- 7	Nottingham	0·3	- 1·0	4	0	33	43·5	+7·3	42·9	+3·1
	p Birmingham, Edgbsn.	525	53	28th	39	23rd	50·7	43·9	47·4	+ 8·8	4	0·14	4	- 7	Birmingham	0·4	- 0·9	4	0	34	44·5	+5·5	45·8	+1·7
	a Raunds	203	55	28th	36	28th	52·0	41·1	46·8	+ 9·2	1	0·03	1	- 8	Raunds	0·4	—	5	1	29	43·8	—	—	—
	p Oxford	208	53	28th	39	27th	50·9	44·6	47·9	+ 8·7	4	0·04	1	- 9	Oxford	0·8	- 1·0	10	0	31	—	—	—	—
c, West	*a* Cheadle (N. Staffs.)	646	51	25, 28	35	23rd	49·6	41·0	45·5	+ 8.2	5	0·47	12	- 2	Malvern	0·7	—	8	0	35	44·2	—	44·5	—
	p Tenbury	313	54	24, 25, 28	39	27th	52·1	44·9	48·6	+ 8·8	3	0·20	5	- 4	Cheadle	—	—	—	0	34	—	—	—	—
	a Hereford	291	55	28th	40	23rd	53·1	44·6	49·0	+10·2	1	0·05	1	- 11	Tenbury	—	—	—	0	33	44·6	—	—	—
	a Clifton	225	52	25, 28, 29	41	23rd	51·0	45·4	48·3	+ 8·0	5	0·41	10	- 5	Ross-on-Wye	0·6	—	7	0	33	44·9	—	45·3	—
															Clifton	0·5	—	5	0	36	—	—	—	—
5. ENGLAND, S.E.																							
	a Marlborough	424	52	25, 28	35	23rd	50·4	41·9	46·3	+ 8·5	4	0·14	4	- 10	Worthing	1·1	- 1·1	13	1	30	44·8	+5·6	46·3	+2·1
	a Wisley, Surrey	150	53	25, 28	38	23rd	51·7	42·7	47·4	+ 8·9	3	0·05	1	- 9	Marlborough	†0·1	- 1·5	1	0	31	44·7	—	46·1	—
	a Tunbridge Wells	354	52	24, 28	37	23rd	50·7	41·4	46·2	+ 8·1	3	0·05	1	- 13	Wisley	0·5	- 1·3	6	2	25	44·4	+6·2	45·5	+2·8
	a Margate	51	55	28th	38	28th	51·9	42·9	47·6	+ 8·0	2	0·06	1	- 8	Tunbridge Wells	0·1	- 1·8	1	3	30	44·1	+7·5	45·3	—
															Margate	0·4	- 1·4	5	0	32	44·8	+5·2	46·0	+2·8
	a Dungeness	21	50	24th	38	23, 24, 28	48·9	41·9	45·5	+ 6·0	6	0·11	3	- 7	Folkestone	0·6	—	7	—	—	—	—	47·0	—
	p St. Leonards	178	52	24th	36	23rd	49·9	43·0	46·6	+ 6·8	4	0·10	3	- 10	St. Leonards	0·7	- 1·6	7	0	31	44·6	—	45·9	—
	p Southampton	64	53	24-26, 28	33	23rd	52·0	42·9	47·6	+ 7·2	4	0·19	5	- 10	Southampton	0·2	- 1·7	3	2	22	—	—	—	—
	a Ventnor	59	52	24, 27	40	23rd	51·0	44·6	47·9	+ 6,1	6	0·15	4	- 10	Ventnor	0·8	- 1·4	9	—	—	—	—	—	—
LONDON.	*a* Richmond (Kew Obs.)	18	54	28th	40	23, 24, 28	51·8	43·0	47·6	+ 8·4	3	0·07	2	- 8	Richmond	0·2	- 1·4	2	2	28	44·1	+6·0	45·5	+2·0
	a Westminster	27	55	28th	38	23rd	52·4	43·6	48·2	+ 8·3	3	0·09	2	- 7	Westminster	0·0	- 0·8	0	1	30	—	—	—	—
	ag Greenwich	149	54	28th	37	28th	51·6	42·3	47·1	+ 8·4	4	0·08	2	- 7	Greenwich	0·2	- 1·3	2	1	30	—	—	—	—
	a Hampstead	450	52	28th	37	23rd	49·0	42·3	45·8	—	4	0·12	3	—	Hampstead	0·1	—	1	1	30	—	—	—	—
	ag Camden Square	110	54	28th	37	23rd	51·9	42·4	47·3	+ 8·2	4	0·10	3	- 7	Camden Square	—	—	—	0	31	—	—	—	—
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	50	28, 29	37	24th	48·4	40·7	44·7	+ 6·2	6	0·76	19	0	Aspatria	0·4	- 1·3	5	0	35	43·4	+4·4	44·0	+0·8
	p Newton Rigg	559	53	29th	32	27th	50·4	39·3	45·1	+ 7·8	7	1·41	36	+ 16	Newton Rigg	0·2	- 1·4	3	0	33	—	—	—	—
	p Stonyhurst	375	51	25, 28	39	25th	49·1	42·3	45·8	+ 7·6	6	2·70	69	+ 44	Stonyhurst	0·3	- 1·1	4	0	38	—	—	—	—
	a Blackpool	66	52	25, 29	42	23rd	49·7	44·4	47·2	+ 8·1	6	1·17	30	+ 14	Blackpool	0·6	- 1·3	7	0	39	44·4	—	45·0	—
	a Southport	37	53	25th	43	23, 25, 27	50·0	44·6	47·4	+ 8·2	6	0·89	23	+ 8	Southport	0·8	- 1·1	10	0	39	43·8	+7·4	43·3	+3·0
															Hoylake	1·2	- 0·7	15	—	—	—	—	—	—
	a Liverpool (Bidston)	188	54	23, 25, 28	42	23, 24	52·7	44·7	48·9	+ 9·1	5	0·29	7	- 5	Liverpool	1·0	—	12	0	35	—	—	—	—
	a Hawarden Bridge	22	55	24, 25, 28	42	23rd	54·0	46·7	50·5	+10·2	3	0·12	3	- 8	Manchester (City)	0·0	- 0·7	0	0	40	43·9	+6·4	44·7	+2·0
	p Manchester (Whit. Pk.)	126	54	28th	40	23rd	51·7	42·9	47·5	+ 7·8	7	1·05	27	+ 13	Whitworth Park	0·0	- 0·8	0	—	—	—	—	—	—
v, NORTH WALES.																							
	p Llandudno	22	55	28, 29	43	23rd	53·3	46·9	50·2	+ 8·4	7	0·60	15	0	Llandudno	1·3	- 0·8	16	—	—	—	—	—	—
	a Holyhead	15	53	28th	42	23rd	51·4	45·4	48·5	+ 6·5	5	0·79	20	+ 3	Holyhead	0·3	—	4	0	35	—	—	—	—
	a Aberdovey	60	51	29th	44	23, 27	50·0	45·9	48·0	—	7	0·97	25	—	Aberdovey	0·1	- 2·1	1	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	m.m.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
c. *a*, SOUTH WALES.																						
a Aberystwyth	16	52	25, 29	44	23, 24	50·6	45·6	48·2	—	7	0·67	17	Aberystwyth ..	0·1	− 1·8	2	—	—	—	—	—	—
a Rhayader	757	52	28th	40	23, 27	50·6	42·6	46·8	—	7	0·68	17	Rhayader ..	0·3	—	4	0	37	—	—	—	—
a St. Ann's Head ..	149	51	23, 26, 28	45	23rd	50·4	47·0	48·8	+ 6·0	7	0·56	14	St. Ann's Head	0·3	− 1·6	3	—	—	—	—	—	—
p Cardiff	202	52	28, 29	38	23rd	50·9	45·7	48·4	+ 9·0	6	0·69	18	− 4	Cardiff	0·5	—	6	1	30	45·7	+ 7·0	46·0	+ 2·7
b, ENGLAND, S.W.																						
a Bath	66	54	28th	40	23rd	52·4	45·9	49·3	+ 9·5	4	0·30	8	− 6	Bath	0·5	− 1·2	6	—	—	45·9	+ 6·7	46·8	+ 2·8
a Shaftesbury	722	50	24, 25, 28	36	23rd	49·1	40·6	45·0	+ 6·9	5	0·43	11	− 5	Shaftesbury ..	—	—	—	—	—	44·8	—	45·6	—
a Arlington	613	51	28th	40	23rd	49·9	44·7	47·4	+ 7·9	7	1·56	40	+ 12										
a Newquay	190	54	28th	44	26th	51·8	47·4	49·7	+ 6·2	5	0·40	10	− 8	Newquay ..	0·8	− 1·1	9	0	38	49·0	—	49·0	—
a Cullompton	202	55	25th	39	23rd	53·0	45·4	49·4	+ 9·2	5	0·37	9	− 10	Cullompton ..	0·4	− 1·3	4	1	30	47·1	—	—	—
a Portland Bill	19	52	25, 26	45	23-25	50·1	46·4	48·3	+ 6·0	5	0·15	4	− 9	Weymouth ..	0·6	—	7	—	—	—	—	—	—
p Plymouth	116	55	24th	43	23rd	52·7	48·1	50·5	+ 7·8	6	0·30	8	− 12	Plymouth ..	1·2	− 0·7	14	0	38	48·0	+6·7	48·5	—
a Falmouth	167	55	24, 27	41	24th	53·1	45·6	49·5	+ 5·9	7	0·40	10	− 15	Falmouth ..	1·2	− 0·9	13	0	36	48·7	—	48·7	—
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	52	24, 28	38	23rd	50·0	43·3	46·8	+ 5·2	7	0·71	18	+ 3	Malin Head ..	0·0	—	0	—	—	—	—	—	—
a Blacksod Point ..	10	54	23, 24, 29	42	23, 29	53·0	45·1	49·2	+ 6·0	5	0·69	18	− 11	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	0·3	− 1·2	4	0	35	45·8	+ 5·4	45·4	+ 1·1
p Markree Castle ..	122	56	24, 25	40	23rd	53·9	46·4	50·3	+ 9·8	6	0·68	17	− 6										
b, East .. { *p* Armagh	204	55	25th	39	23, 27	52·6	45·0	49·0	+ 8·7	7	0·27	7	− 8	Armagh	0·3	− 1·3	4	0	33	44·9	+ 5·2	45·1	+ 1·9
a Donaghadee	35	54	24, 28	39	23rd	52·4	43·1	47·9	+ 6·6	7	0·37	9	− 6										
10. IRELAND, S.																						
p Dublin, City	54	56	25, 28	40	23rd	54·4	47·3	51·0	+ 8·7	5	0·17	4	− 8	Trinity Coll. ..	0·3	—	4	0	34	46·4	+ 5·9	46·5	+ 2·8
a Birr Castle	175	54	28, 29	?38	23rd	52·9	44·9	49·1	+ 8·7	6	0·80	20	+ 6	Phœnix Park ..	0·5	− 1·5	6	0	35	—	—	—	—
a Kilkenny	195	56	25th	38	23rd	53·7	44·4	49·2	+ 8·6	5	0·78	20	+ 4	Dublin City ..	—	—	—	0	36	—	—	—	—
a Waterford	137	53	24, 27, 28	38	23rd	52·4	44·9	48·8	+ 6·6	4	0·33	8	− 11	Birr Castle ..	0·4	− 1·4	5	0	33	—	—	—	—
p Seskin, Carrick-on-Suir	542	55	25th	38	23rd	53·1	45·1	49·3	—	4	0·76	19	—	Seskin	1·0	—	12	0	34	—	—	—	—
a Cahir	199	55	26, 28	38	23rd	52·6	44·4	48·7	+ 7·6	6	0·56	14	—										
a Foynes	50	57	23, 29	42	23rd	54·1	47·1	50·7	+ 8·4	6	1·33	34	+ 14										
a Cahirciveen (Val. Obs.)	30	54	24, 28, 29	45	23rd	53·3	48·9	51·2	+ 6·5	6	1·30	33	+ 4	Cahirciveen ..	0·2	− 1·5	2	0	43	—	—	—	—
a Killarney	174	56	28th	42	23rd	54·6	47·1	51·0	+ 7·9	7	1·08	27	− 4	Ballinacurra ..	0·6	− 1·4	7	—	—	—	—	—	—
a Roche's Point	32	57	27th	41	23rd	53·0	46·6	49·9	+ 6·1	6	0·28	7	− 15										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	53	24, 29	?46	23rd	52·3	48·1	50·3	+ 4·6	6	0·31	8	− 8	Scilly	0·9	− 1·2	11	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	53	24, 28	42	26th	51·7	46·6	49·3	+ 6·3	5	0·49	12	− 4	St. Heliers ..	?	?	?	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	53	24, 28	46	23, 26	51·6	47·6	49·7	+ 6·2	7	0·56	14	− 3	Guernsey† ..	0·7	− 1·4	8	0	37	48·2	+ 5·6	48·6	+ 2·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 29th 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	22	1	22 to 25, 28	54	72	34	7	0	280	19	22	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	7	110	49	2	190	7	29	23	16	26	12	35
Aberdeen, (Cup Anr.)¶ ..	120	72	12	—	0	—	0	20	121	27	0	290	10	26	13	—	—	—	—
Edinburgh	485	39	31	—	0	23, 26, 28, 29	34	72	54	8	0	250	17	28	20	26	28	19	25
6. SCOTLAND, W.																			
Eskdalemuir	825	59	22	28, 29	11	23, 24, 26, 28, 29	51	49	33	24	0	240	19	28	23	26	{28	13	5
Paisley	188	81	15	—	0	28, 29	5	81	61	21	0	200	13	29	22	27	29	23	30
																	29	5	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	57	71	40	0	240	11	28	16	20	28	15	30
South Shields	72	61	12	—	0	23, 24, 26	12	71	76	9	0	290	13	23	21	22	28	20	20
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	99	64	5	0	180	9	25	6	16	24	5	0
Shoeburyness	103	90	‡	—	0	—	0	78	83	7	0	270	10	24	5	17	24	4	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	70	86	12	0	250	9	{24	2	16	{24	1	35
														{26	21		{26	21	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	36	106	26	0	—	8	24	3	16	26	15	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Larkhill, S'y Plain ..	513	63	43	—	0	23, 24, 26	20	110	32	6	0	260	14	24	3	21	24	3	5
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	32	118	18	0	240	8	24	4	15	24	4	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	23, 24, 26, 28	17	99	50	2	0	{270	}13	{23	1	—	—	—	—
Southport	80	62	48	—	0	23, 24, 26, 28, 29	68	67	25	8	0	{230		{28	16				
Holyhead	60	40	‡	—	0	23, 26, 28, 29	31	118	17	2	0	240	17	28	16	22	28	16	35
												190	14	29	19	22	29	20	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	25 to 27, 29	31	89	39	9	0	220	14	29	12	19	26	22	50
Plymouth	185	88	2	—	0	29	6	74	83	5	0	—	13	29	24	15	29	9	10
Lyme Regis	556	61	‡	—	0	—	0	19	82	67	0	—	9	24	1	13	24	0	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	24	1	23 to 26, 28, 29	38	94	29	6	0	240	18	24	1	—	—	—	—
Quilty	100	40	‡‡‡	—	0	23, 24, 26, 28, 29	38	117	13	0	0	—	14	28	11	18	28	10	35
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	0	26, 28, 29	18	103	44	3	0	190	14	29	15	23	29	14	40
Weaver Pt.	160	30	‡	—	0	28, 29	13	93	55	7	0	—	15	29	20	22	29	19	40
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	26	2	64	100	2	0	{280	}11	26	{22	16	26	22	10
												{290			{23				

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTH WEEK of 1921—January 23rd to January 29th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	24	80·3	74·2	77·4	+ 0·9	9	+ 1	31	− 4	7	+ 2	2·82	72	+ 32	0·2	−0·7	3	1008
Eastern.																			
1. SCOTLAND, EAST ...	55	25	80·9	74·6	77·9	+ 1·8	12	+ 3	29	−11	6	+ 2	1·28	33	+ 19	0·8	−0·8	10	1010
2. ENGLAND, N.E.	58	32	83·3	77·5	80·6	+ 4·0	33	+ 23	5	−30	5	+ 2	0·50	13	+ 4	0·5	−1·1	6	1015
3. ENGLAND, EAST ...	57	33	83·5	77·6	80·7	+ 4·2	34	+ 25	5	−32	4	0	0·25	6	− 3	0·6	−1·5	7	1019
4. MIDLAND COUNTIES ...	58	23	83·8	79·1	81·6	+ 5·0	38	+ 27	0	−38	4	0	0·23	6	− 6	0·4	−1·2	5	1019
5. ENGLAND, S.E.	55	33	83·5	78·9	81·3	+ 4·1	35	+ 24	0	−28	4	0	0·10	3	− 9	0·5	−1·4	5	1021
Western.																			
6. SCOTLAND, WEST ...	53	31	82·8	77·8	80·4	+ 3·2	29	+ 17	4	−23	7	+ 2	2·04	52	+ 26	0·3	−1·0	3	1013
7. ENGLAND, N.W.	55	32	83·7	79·5	81·7	+ 4·4	39	+ 29	0	−28	6	+ 2	0·97	25	+ 7	0·6	−1·0	7	1017
8. ENGLAND, S.W.	55	36	83·7	80·3	82·1	+ 4·0	44	+ 29	0	−21	6	+ 2	0·54	14	− 7	0·6	−1·2	7	1022
9. IRELAND, NORTH ...	56	38	84·4	80·0	82·3	+ 4·2	47	+ 34	0	−23	6	+ 1	0·59	15	− 5	0·3	−1·3	4	1012
10. IRELAND, SOUTH ...	57	38	84·9	80·9	83·0	+ 4·2	56	+ 36	0	−17	6	+ 1	0·74	19	− 1	0·4	−1·4	5	1019
11. ENGLISH CHANNEL ...	53	42	84·1	81·6	82·9	+ 3·1	55	+ 31	0	− 8	6	+ 1	0·45	11	− 5	0·8	−1·4	9	1024
MEAN: DISTRICTS **1-10** ...	58	23	83·5	78·6	81·2	+ 3·9	37	+ 25	4	−25	5	+ 1	0·72	19	+ 3	0·5	−1·2	6	1017

THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, November 28th, 1920, to January 29th, 1921.

0. SCOTLAND, NORTH ...	56	17	80·1	74·8	77·6	+ 0·8	108	+ 35	214	− 65	46	− 1	14·29	362	+ 51	0·5	−0·2	8	1007
Eastern.																			
1. SCOTLAND, EAST ...	56	11	79·5	73·8	76·8	+ 0·6	73	+ 5	309	− 33	43	+ 6	7·41	188	+ 42	1·5	+0·3	21	1009
2. ENGLAND, N.E.	58	15	81·0	75·8	78·5	+ 1·6	164	+ 81	169	−109	42	+ 8	5·58	143	+ 36	1·0	−0·3	13	1012
3. ENGLAND, EAST ...	58	4	81·4	75·9	78·8	+ 2·0	205	+112	168	−131	45	+ 8	4·68	118	+ 10	1·2	−0·3	15	1015
4. MIDLAND COUNTIES ...	60	−1	81·1	76·0	78·7	+ 2·0	194	+ 94	187	−129	38	+ 1	5·32	135	+ 8	0·9	−0·4	11	1015
5. ENGLAND, S.E.	57	13	81·8	77·1	79·5	+ 1·7	245	+109	121	−104	43	+ 8	5·53	141	+ 1	1·1	−0·4	13	1016
Western.																			
6. SCOTLAND, WEST ...	55	20	80·8	75·9	78·6	+ 1·1	151	+ 46	164	− 56	51	+ 8	12·61	322	+ 60	0·9	−0·1	12	1011
7. ENGLAND, N.W.	60	19	81·4	76·7	79·2	+ 1·6	206	+ 97	138	− 82	45	+ 6	7·68	194	+ 17	1·1	−0·1	14	1013
8. ENGLAND, S.W.	58	15	81·9	77·4	79·8	+ 1·2	264	+ 95	121	− 43	44	+ 3	8·46	215	− 8	1·2	−0·3	15	1016
9. IRELAND, NORTH ...	57	21	81·9	76·4	80·4	+ 2·3	232	+103	128	− 66	46	0	7·91	201	+ 7	1·3	0·0	17	1010
10. IRELAND, SOUTH ...	60	16	82·5	77·1	79·9	+ 1·0	282	+ 86	119	− 32	45	+ 1	8·77	222	+ 2	1·4	−0·2	18	1014
11. ENGLISH CHANNEL ...	57	28	83·1	79·8	81·6	+ 1·1	375	+103	32	− 22	51	+ 5	6·54	165	− 27	1·3	−0·6	15	1017
MEAN: DISTRICTS **1-10** ...	60	−1	81·3	76·2	79·0	+ 1·5	202	+ 83	162	− 79	44	+ 5	7·40	188	+ 18	1·2	−0·2	15	1013

THE YEAR 1921.—Aggregates, &c., for the Period of 4 Weeks, January 2nd to January 29th, 1921.

0. SCOTLAND, NORTH ...	56	24	80·5	74·8	77·8	+ 1·3	57	+ 31	92	− 45	25	+ 5	9·21	234	+102	0·7	−0·1	9	1003
Eastern.																			
1. SCOTLAND, EAST ...	56	15	80·6	74·3	77·6	+ 1·7	40	+ 15	122	− 41	21	+ 5	3·79	96	+ 38	1·3	0·0	18	1005
2. ENGLAND, N.E.	58	25	82·2	76·5	79·5	+ 3·1	99	+ 69	50	− 91	16	+ 2	2·21	57	+ 17	1·0	−0·3	13	1010
3. ENGLAND, EAST ...	58	27	82·9	77·0	80·1	+ 3·9	124	+ 93	32	−123	16	0	1·66	42	+ 1	1·6	0·0	19	1015
4. MIDLAND COUNTIES ...	59	23	82·6	77·4	80·1	+ 3·9	109	+ 73	35	−124	16	0	1.90	49	+ 1	0·9	−0·5	11	1015
5. ENGLAND, S.E.	56	24	83·0	78·2	80·7	+ 3·6	127	+ 82	14	−107	18	+ 3	1·95	50	0	1·2	−0·4	15	1017
Western.																			
6. SCOTLAND, WEST ...	53	21	81·7	76·6	79·2	+ 2·1	85	+ 47	48	− 62	26	+ 7	7·03	179	+ 76	1·0	−0·1	14	1009
7. ENGLAND, N.W.	60	25	82·7	77·9	80·4	+ 3·3	118	+ 81	18	− 96	22	+ 6	4·27	108	+ 40	0·9	−0·4	11	1013
8. ENGLAND, S.W.	57	22	83·1	79·0	81·2	+ 3·2	142	+ 81	8	− 82	22	+ 5	3·28	83	+ 2	0·9	−0·7	11	1017
9. IRELAND, NORTH ...	56	28	83·1	77·8	80·5	+ 2·7	135	+ 84	24	− 73	23	+ 3	3·85	98	+ 19	1·0	−0·4	13	1009
10. IRELAND, SOUTH ...	60	25	83·9	78·8	81·4	+ 2·8	163	+ 85	14	− 62	24	+ 5	3·39	86	− 2	1·1	−0·5	14	1015
11. ENGLISH CHANNEL ...	56	38	83·9	80·8	82·4	+ 2·6	195	+ 98	0	− 35	24	+ 4	2·24	57	− 11	1·4	−0·6	16	1020
MEAN: DISTRICTS **1-10** ...	60	15	82·6	77·4	80·1	+ 3·0	114	+ 71	37	− 86	20	+ 4	3·33	85	+ 19	1·1	−0·3	14	1013
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
4th February, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 5

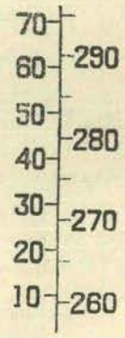
FIFTH WEEK.

SUNDAY, JANUARY 30TH, TO SATURDAY, FEBRUARY 5TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the earlier days of the week barometric pressure was low over the British Isles; the prevailing winds were westerly or south-westerly, and the weather dull and unsettled. Fog prevailed over a wide area on Thursday, and was exceptionally dense in London, but during the early hours of Friday morning the fog was dissipated and fine dry weather was generally experienced for the remainder of the week, with easterly and south-easterly winds and a decidedly lower temperature. The highest of the maxima occurred on the first day of the week at nearly all stations and readings of 283 a and above were registered in most districts, but as the week advanced a gradual fall of temperature took place; at many places, including Richmond (Kew Observatory), the maximum of February 3rd did not rise above 276 a. The lowest of the minima were mostly recorded on the 3rd or 4th, when screen temperatures of 268 a were registered at a number of stations with grass readings down to 264 a and lower. The mean temperature was, however, above the normal in most districts, but compared with past weeks the excess was considerably reduced, the values ranging from 0·9 a in Scotland N. and Ireland N. to 0·2 a in Ireland S. Rainfall varied a good deal, in fact at several stations the week's total amounted to no more than 1mm.; the heaviest fall occurred in Ireland on the 4th, when Killarney measured 44mm., Foynes 43mm. and Cahirciveen (Valencia Observatory) 26mm. The daily mean of bright sunshine exceeded the normal in several districts, but the excess was generally slight. Good records were obtained at individual stations during the week, the largest amounts being about 8 hours at Rhayader (Radnor) on the 30th, Aberystwyth and Holyhead on the 2nd and Clacton and Felixstowe on the 3rd. Aurora borealis was witnessed at Fort William and Gordon Castle on the 5th, solar halos were seen at Worksop on the 30th, Aberdeen on the 31st, St. Leonards on the 1st, Ross-on-Wye on the 4th, and at Oxford on the 31st, 4th and 5th. The Zodiacal Light was observed at Oxford on the 31st and 2nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	9·0	15	3·6	17	4·5	12	3·5	17	3·6	16	7·4	19	7·0	15	4·4
North	11	5·4	8	6·2	4	2·1	4	0·9	7	3·8	7	4·5	5	4·3	8	4·8
West	6	7·3	4	6·0	9	2·7	4	0·7	5	5·9	9	5·4	7	5·6	5	3·7
East	20	5·2	19	2·6	11	4·5	12	4·3	23	4·3	17	9·2	18	5·3	17	4·2
Calm	0	—	5	—	6	—	8	—	0	—	1	—	1	—	5	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Moderate	Light	Light	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Heavy	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 10 weeks from November 28th, 1920.	Warmth ...	5, 4, 1	5, 3, 2	4, 5, 1	7, 2, 1	6, 3, 1	7, 1, 2	5, 3, 2	6, 3, 1	7, 1, 2	7, 2, 1	7, 1, 2	6, 2, 2
	Rainfall ...	4, 3, 3	5, 3, 2	4, 3, 3	2, 7, 1	2, 5, 3	4, 2, 4	6, 1, 3	5, 3, 2	3, 5, 2	4, 4, 2	4, 3, 3	2, 5, 3
	Sunshine ...	2, 4, 4	6, 2, 2	1, 5, 4	1, 4, 5	0, 5, 5	1, 5, 4	2, 6, 2	1, 7, 2	1, 5, 4	4, 5, 1	1, 6, 3	0, 5, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32047—19) Wt. 24—561/P25 500 2/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																					
a, Islands .. a Lerwick ..	54	45	30, 3, 4	32	1st	43·0	36·1	39·6	+ 1·7	7	0·59	15	- 10								
p Deerness, Orkney	165	48	30th	35	1st	44·0	38·9	41·5	+ 3·5	2	0·04	1	- 21	Deerness ..	1·7	+ 0·3	21	—	—	—	—	—
a Stornoway ..	51	48	4th	34	31st	43·7	37·9	40·8	+ 2·2	4	0·59	15	- 17	Stornoway ..	1·5	+ 0·1	18	—	—	—	—	—
a Castlebay, Barra I. ..	37	47	30th	39	1, 2	44·4	41·1	42·8	—	4	0·83	21	—	Castlebay ..	2·2	—	26	—	—	—	—	—
b, Mainland. a Wick ..	81	45	30th	33	31st	43·7	37·9	40·8	+ 3·6	4	0·10	3	- 13									
a Strathpeffer ..	125	44	30th	26	3rd	40·9	30·9	35·9	- 0·9	1	0·10	3	- 17									
p Glencarron ..	500	51	30th	29	5th	43·6	33·4	38·5	+ 2·0	2	0·11	3	- 55									
a Fort Augustus..	60	45	30, 3	29	3rd	43·0	35·4	39·2	+ 2·2	1	0·12	3	- 29									
p Fort William ..	171	49	30th	32	2nd	44·3	35·1	39·7	+ 1·5	2	0·03	1	- 56									
1. SCOTLAND, E.																					
a Nairn	82	44	30, 5	27	3rd	41·6	31·4	36·5	- 1·0	3	0·09	2	- 10	Nairn	2·4	—	28	—	—	—	—	—
p Gordon Castle ..	101	51	30th	29	31, 2, 3	44·4	33·3	38·9	+ 0·4	2	0·09	2	- 11	Gordon Castle..	2·7	—	32	—	—	—	—	—
a Aberdeen ..	46	48	30th	31	31, 3	43·1	35·1	39·1	+ 0·9	3	0·22	6	- 8	Aberdeen ..	1·4	- 0·6	17	3	24	—	—	40·9	+1·5
a Balmoral ..	930	42	30, 5	22	3rd	39·3	29·1	34·2	- 0·2	3	0·10	3	- 15	Balmoral ..	—	—	—	4	20	—	—	—	—
p Crieff	432	49	30th	28	3rd	41·0	32·7	36·9	- 0·7	2	0·08	2	- 22	Crathes	—	—	—	—	—	—	—	—	—
a Dundee	244	48	30th	25	3rd	42·0	32·4	37·2	- 0·2	2	0·08	2	- 11	Dundee	1·7	—	20	5	17	37·7	—	—	—
a Leith	30	46	30th	32	3, 4	42·7	36·7	39·7	+ 0·3	4	0·36	9	- 1	Leith	—	—	—	3	23	—	—	—	—
p Edinburgh ..	441	53	30th	32	3, 4	43·6	35·0	39·3	+ 1·1	2	0·49	12	+ 1	Edinburgh ..	2·0	- 0·1	24	3	21	—	—	—	—
a West Linton ..	769	45	30, 31	25	3rd	40·9	31·4	36·2	+ 1·3	3	1·00	25	—	West Linton ..	1·5	—	18	5	20	—	—	—	—
p Marchmont ..	498	47	30th	23	3rd	41·4	26·9	34·2	- 2·8	3	1·35	34	+ 20	Marchmont .	2·2	+ 0·4	26	—	—	—	—	—	—
6. a, SCOTLAND, W.																					
a Ford (Argyll)	149	46	30th	30	1, 2	42·8	35·2	39·0	—	4	0·17	4	—	Ford (Argyll) ..	—	—	—	3	25	40·3	—	42·8	—
p Glasgow Observatory	180	50	30th	33	3rd	42·6	36·4	39·5	+ 0·5	2	0·47	12	- 7	Glasgow.. ..	1·8	+ 0·7	21	2	28	—	—	—	—
a Renfrew	49	47	30th	30	4th	42·9	35·4	39·2	—	2	0·37	9	—	Renfrew ..	1·7	—	20	4	21	—	—	—	—
p Rothesay	200	49	30th	34	2nd	44·1	36·3	40·2	+ 0·4	2	0·59	15	- 11	Rothesay ..	2·3	—	27	2	26	40·3	—	43·7	+1·8
a Kilmarnock	90	48	30th	32	3rd	43·9	36·4	40·2	+ 2·0	2	0·43	11	- 9	Kilmarnock ..	2·3	—	27	—	—	40·8	—	43·8	—
a Colmoneil	170	49	30th	32	2nd	44·0	36·9	40·5	+ 1·6	3	0·42	11	- 14	Colmoneil ..	—	—	—	1	26	—	—	—	—
p Dumfries	160	49	30th	27	3rd	43·4	34·3	38·9	+ 0·4	3	1·06	27	+ 8	Dumfries ..	2·0	—	23	3	20	41·0	+4·1	43·6	+3·5
a Eskdalemuir	794	43	30th	23	4th	39·7	31·9	35·8	—	3	0·87	22	—	Eskdalemuir ..	1·8	—	21	4	21	—	—	—	—
b, I. OF MAN p Douglas	284	49	30th	38	5th	44·0	39·3	41·7	+ 0·9	2	0·47	12	- 9	Douglas	1·2	- 0·8	14	0	35	—	—	—	—
2. ENGLAND, N.E																					
a, North .. a Alnwick Castle ..	210	—	—	26	3rd	—	32·3	—	—	2	0·52	13	- 1									
a Tynemouth	118	47	30th	29	4, 5	43·3	35·1	39·2	- 0·2	2	0·08	2	- 8	Cockle Park ..	2·0	- 0·3	23	5	18	38·6	+2·7	42·2	+3·0
p Durham	336	49	30th	26	3, 4	42·1	30·7	36·4	- 1·6	2	0·11	3	- 7	Durham ..	1·4	- 0·6	16	5	16	—	—	—	—
p Rounton	249	48	30th	22	4th	43·1	31·7	37·4	- 0·6	3	0·06	2	- 8	Rounton ..	—	—	—	6	15	40·2	—	—	—
a West Witton ..	605	47	30th	28	3, 4	40·6	33·9	37·3	—	4	0·52	13	—	West Witton ..	—	—	—	5	23	40·9	—	42·4	—
p Scarborough ..	118	51	30th	34	1, 3-5	45·9	35·7	40·8	+ 1·1	1	0·01	0	- 12	Scarborough† ..	2·7	+ 0·7	31	—	—	—	—	43·7	—
p York	56	50	30th	23	4th	42·3	32·7	37·5	- 1·6	2	0·04	1	- 10	York	0·6	- 0·9	7	—	—	42·0	+4·2	44·3	+3·1
b, South .. a Spurn Head ..	26	48	30th	32	2nd	44·7	35·4	40·1	+ 0·8	2	0·24	6	- 3	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	68	49	30th	28	1, 3, 4	43·3	33·4	38·4	- 0·2	1	0·04	1	- 9	Lincoln	—	—	—	5	25	41·2	+4·9	44·3	+3·8
a Fulbeck	180	50	30th	25	3rd	43·1	32·7	37·9	- 0·6	5	0·14	4	- 6	Fulbeck ..	1·8	- 0·5	20	4	23	—	—	—	—
														Skegness ..	2·9	+ 0·5	33	—	—	—	—	—	—
3. ENGLAND, E.																					
p Cromer	198	52	30th	29	4th	46·4	34·7	40·6	+ 1·7	2	0·04	1	- 9	Cromer	2·7	+ 0·2	30	—	—	—	—	—	—
a Little Massingham ..	277	51	30th	27	4th	43·7	32·6	38·2	- 0·1	4	0·15	4	- 9	Lit. Massingham	2·7	+ 0·5	30	—	—	—	—	—	—
a Yarmouth	13	51	30th	30	4, 5	46·4	36·0	41·2	+ 2·6	2	0·02	0·4	- 11	Yarmouth ..	3·3	—	38	4	25	44·0	+6·7	45·7	+3·3
a Norwich	93	52	30th	26	2nd	44·6	34·3	39·5	+ 0·9	2	0·06	2	- 10	Norwich ..	2·3	—	26	4	21	39·0	—	—	—
a Geldeston	37	52	30th	23	4th	46·9	31·7	39·3	+ 0·2	2	0·03	1	- 9	Geldeston ..	2·4	+ 0·1	27	—	—	—	—	—	—
p Cambridge	41	53	30th	23	3rd	46·0	31·4	38·7	- 0·2	1	0·05	1	- 9	Cambridge ..	3·2	+ 0·8	35	5	19	41·9	+4·3	45·3	+3·3
a Clacton-on-Sea ..	54	48	30, 1	33	3, 5	45·4	37·4	41·4	+ 2·6	2	0·04	1	- 8	Clacton	3·0	+ 0·3	33	3	25	42·7	+3·6	46·0	+2·6
a Rothamsted	420	50	30th	24	3rd	43·6	33·6	38·6	+ 0·2	3	0·15	3	- 11	Rothamsted ..	2·5	+ 0·3	28	4	16	41·2	—	—	—
p Tottenham	51	51	30th	28	3rd	45·0	34·7	39·9	—	2	0·22	6	—	Tottenham ..	0·7	—	7	4	26	—	—	46·1	+2·9
														S'thend-on-Sea	3·2	—	36	2	29	43·4	+5·6	—	—
4. MIDLAND COUNTIES.																					
a, North .. a Harrogate	479	47	30th	25	4th	40·7	34·4	37·6	- 0·3	4	0·15	4	- 11	Harrogate ..	0·9	- 1·3	10	3	19	41·2	+3·8	43·1	+3·4
p Sheffield	429	49	30th	31	4th	41·7	34·6	38·2	—	2	0·15	4	—	Sheffield.. ..	0·8	- 1·0	10	5	24	40·5	+3·6	43·5	+2·5
p Buxton	987	47	30th	30	4th	38·6	32·9	35·8	- 0·6	2	0·33	9	- 18	Buxton	0·6	—	7	4	28	39·9	+3·5	42·9	+1·5
b, East .. a Worksop	56	50	30th	23	4th	43·0	32·4	37·7	- 1·3	3	0·14	4	- 7	Worksop ..	0·8	- 0·9	9	5	18	40·9	—	43·9	—
a Nottingham	82	50	30th	26	4th	42·4	33·1	37·8	- 1·2	4	0·14	4	- 7	Nottingham ..	0·7	- 1·0	7	4	23	39·0	+2·8	43·4	+4·1
p Birmingham, Edgbn.	525	49	30th	30	3rd	42·1	34·4	38·3	- 0·8	3	0·43	11	- 1	Birmingham ..	1·0	- 0·5	12	4	26	41·8	+2·9	45·9	+2·2
a Raunds	203	51	30th	24	3, 4	44·0	31·7	37·9	- 0·3	3	0·16	4	- 6	Raunds	2·5	—	28	5	22	41·6	—	—	—
p Oxford	208	50	30th	28	3rd	44·3	34·7	39·5	- 0·3	3	0·46	12	+ 1	Oxford	1·9	- 0·3	20	6	25	—	—	—	—
														Malvern ..	1·5	—	16	5	28	41·8	—	45·0	—
a, West .. a Cheadle (N. Staffs.) ..	646	47	30th	30	3rd	39·4	33·9	36·7	- 1·2	2	0·32	8	- 7	Cheadle	—	—	—	5	24	—	—	—	—
p Tenbury	313	50	30th	30	2nd	42·7	34·1	38·4	- 1·4	2	0·49	12	+ 2	Tenbury	—	—	—	5	25	42·6	—	—	—
a Hereford	291	51	30th	30	2nd	42·7	34·1	38·4	- 1·0	2	0·59	15	+ 2	Ross-on-Wye ..	1·7	—	18	5	25	42·1	—	45·8	—
a Clifton	226	48	30th	33	3rd	43·3	36·4	39·9	- 0·8	2	0·88	22	+ 5	Clifton	1·1	—	13	2	29	—	—	—	—
5. ENGLAND, S.E.																					
a Marlborough	424	50	30th	29	1, 3	43·1	34·1	38·6	0·0	3	0·58	15	- 1	Worthing	2·3	- 0·4	25	2	26	43·4	+4·1	46·7	+2·9
a Wisley, Surrey ..	150	50	30th	28	3, 4	43·9	34·9	39·4	0·0	3	0·19	5	- 6	Marlborough ..	0·7	- 1·2	8	5	23	43·1	—	46·3	—
a Tunbridge Wells ..	354	49	30th	25	3rd	45·1	34·9	40·0	+ 1·0	3	0·35	9	- 6	Wisley	1·5	- 0·6	17	5	18	42·4	+4·3	45·8	+3·7
a Margate	51	50	30th	36	2, 4	46·0	39·4	42·7	+ 2·4	3	0·35	9	0	Tunbridge Wells	2·3	+ 0·1	25	4	21	43·0	+6·6	45·5	—
														Margate	1·9	- 0·3	21	2	29	43·3	+3·6	46·2	+3·5
a Dungeness	21	50	30th	33	3, 4	44·9	38·9	41·9	+ 1·7	2	0·12	3	- 8	Folkestone ..	2·2	—	25	—	—	—	—	47·0	—
p St. Leonards	178	51	30th	34	3rd	45·6	38·3	42·0	+ 1·5	2	0·37	10	- 4	St. Leonards ..	2·7	+ 0·1	30	2	29	43·5	—	45·9	—
p Southampton	64	50	30th	27	3rd	45·6	35·0	40·3	- 1·0	3	0·84	21	+ 5	Southampton ..	1·7	- 0·7	18	2	20	—	—	—	—
a Ventnor	59	50	30th	39	4, 5	46·4	41·0	43·7	+ 1·2	4	0·35	9	- 6	Ventnor	1·5	- 1·2	16	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	51	30th	28	3, 4	44·3	35·1	39·7	- 0·4	2	0·19	5	- 5	Richmond ..	0·9	- 1·9	10	4	22	41·9	+4·0	45·9	+2·9
a Westminster	27	52	30th	28	4th	46·5	36·4	41·5	+ 0·8	2	0·08	2	- 8	Westminster ..	1·9	- 0·1	11	4	27	—	—	—	—
ag Greenwich	149	51	30th	27	3rd	46·1	34·8	40·5	+ 1·7	3	0·10	3	- 6	Greenwich ..	2·2	+ 0·5	24	5	22	—	—	—	—
a Hampstead	450	49	30th	30	3rd	43·4	35·4	39·4	—	2	0·23	6	—	Hampstead ..	0·8	—	9	4	22	—	—	—	—
ag Camden Square ..	110	52	30th	27	3rd	44·4	35·1	39·8	- 0·2	2	0·14	4	- 7	Camden Square	—	—	—	4	24	—	—	—	—
7. a, ENGLAND, N.W.																					
p Aspatria (Mealsgate)	487	49	30th	31	3rd	43·1	35·0	39·1	+ 0·4	3	0·73	19	- 2	Aspatria.. ..	2·2	+ 0·4	25	4	27	41·3	+2·4	44·3	+1·4
p Newton Rigg	550	50	30th	27	3rd	41·9	32·9	37·4	0·0	5	0·49	12	- 10	Newton Rigg ..	1·9	+ 0·3	23	5	20	—	—	—	—
p Stonyhurst	375	47	30, 31	32	3, 4	43·4	30·6	40·0	+ 1·5	2	0·35	9	- 16	Stonyhurst ..	1·1	- 0·4	12	2	27	—	—	—	—
a Blackpool	66	49	30th	33	3rd	42·9	37·0	40·0	+ 0·6	2	0·37	9	- 7	Blackpool ..	1·9	- 0·1	21	1	29	43·2	—	45·4	—
a Southport	37	50	30th	32	3rd	42·6	36·9	39·8	+ 0·3	2	0·39	10	- 5	Southport ..	1·0	- 0·9	11	2	25	40·6	+4·3	43·9	+4·1
														Hoylake	1·5	- 0·4	18	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	49	30th	34	3, 4	42·3	37·4	39·9	- 0·1	1	0·47	12	0	Liverpool	1·8	—	21	3	30	—	—	—	—
a Hawarden Bridge ..	22	53	30th	35	3, 4	43·0	37·9	40·5	- 0·1	2	0·85	22	+ 12	Manchester(City)	0·5	- 0·3	6	0	33	41·0	+3·7	45·3	+3·0
p Manchester (Whit. Pk.)	125	51	30th	29	3rd	44·0	34·3	39·2	- 0·8	2	0·67	17	+ 3	Whitworth Park	0·8	- 0·2	9	—	—	—	—	—	—
8. NORTH WALES.																					
p Llandudno	22	54	30th	34	2nd	45·4	37·4	41·4	- 0·5	2	0·91	23	+ 7	Llandudno ..	2·0	+ 0·1	23	—	—	—	—	—	—
a Holyhead	10	60	30th	33	3rd	46·1	38·4	42·3	+ 0·3	2	0·24	6	- 12	Holyhead ..	2·9	—	33	1	28	—	—	—	—
a Aberdovey	60	52	30th	38	1st	46·6	40·0	43·3	—	2	0·23	6	—	Aberdovey ..	3·0	+ 0·9	33	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																						
a Aberystwyth	16	52	30th	36	2,3	47·1	38·7	42·9	—	2	0·48	12	—									
a Rhayader	767	47	30th	32	2nd	41·3	34·4	37·9	—	4	0·43	11	—									
a St. Ann's Head ..	149	50	30th	40	2, 3	46·1	42·0	44·1	+ 1·3	4	0·29	7	- 12									
p Cardiff	202	50	30th	33	3rd	44·1	36·6	40·4	+ 0·6	2	0·58	15	- 5									
b. ENGLAND, S.W.																						
a Bath	66	49	30th	30	1st	44·9	36·4	40·7	+ 0·5	3	0·71	18	+ 4									
a Shaftesbury	722	48	30th	29	3rd	44·7	34·9	39·8	+ 1·3	3	0·53	14	- 1									
a Arlington	613	47	30th	31	2nd	41·6	36·7	40·7	+ 1·0	2	0·91	23	- 4									
a Newquay	190	51	30th	35	1st	47·2	40·7	44·0	+ 0·4	3	0·63	16	- 2									
a Cullompton	202	52	30th	31	2nd	47·7	37·4	42·6	+ 2·1	3	0·51	13	- 6									
a Portland Bill	19	50	30th	39	2nd	46·7	41·3	44·0	+ 1·6	3	0·63	16	+ 3									
p Plymouth	116	52	30th	36	1st	48·7	40·3	44·5	+ 2·0	3	0·68	17	- 2									
a Falmouth	167	51	30, 2	35	1st	48·1	42·0	45·1	+ 1·4	4	0·65	17	- 8									
9. IRELAND, N.																						
a West .. *a* Malin Head	208	47	2nd	37	3rd	43·7	39·6	41·7	+ 0·9	4	0·63	16	0									
a West .. *a* Blacksod Point ..	10	52	30, 3, 4	37	2, 3	48·3	38·7	43·5	+ 1·1	6	1·57	40	+ 11									
a West .. *a* Mallarany ..	120	—	—	—	—	—	—	—	—	—	—	—	—									
a West .. *p* Markree Castle ..	122	54	4th	30	2nd	48·4	34·9	41·7	+ 1·8	5	1·35	34	+ 11									
b, East .. *p* Armagh	204	50	30th	35	31, 2	45·9	37·4	41·7	+ 2·0	4	0·53	14	- 1									
b, East .. *a* Donaghadee ..	35	48	30th	39	31, 1	46·0	41·1	43·6	+ 2·9	3	0·39	10	- 5									
10. IRELAND, S.																						
p Dublin, City	54	53	30th	36	31st	47·0	40·3	43·7	+ 1·5	4	0·30	8	- 4									
a Birr Castle	175	51	3, 4	29	31, 1	46·4	35·4	40·9	+ 0·5	4	0·21	5	- 9									
a Kilkenny	195	49	30, 3	28	31st	46·6	35·1	40·9	+ 0·2	5	0·70	18	+ 2									
a Waterford	137	50	3rd	31	31, 1	47·6	37·3	42·5	+ 0·4	6	0·94	24	+ 5									
p Seskin, Carrick-on-Suir	542	49	30, 3	30	31st	46·0	36·6	41·3	—	5	1·57	40	—									
a Cahir	199	51	30th	27	31st	47·9	35·0	41·5	+ 0·5	6	0·87	22	—									
a Foynes	50	51	3, 4	30	31st	47·3	36·1	41·7	- 0·6	6	2·34	59	+ 40									
a Cahirciveen (Val. Obs.)	30	54	3rd	34	1st	49·1	40·6	44·9	+ 0·4	5	2·44	62	+ 32									
a Killarney	174	53	3rd	32	31st	48·4	38·4	43·4	+ 0·5	6	3·03	77	+ 46									
a Roche's Point	32	53	3rd	35	1st	49·0	40·9	45·0	+ 1·4	6	0·86	22	0									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	52	3rd	40	1st	50·3	43·7	47·0	+ 1·3	6	0·91	23	+ 6									
a Jersey, St. Aubins ..	25	51	30th	35	1, 2	47·7	39·3	43·5	+ 0·4	3	0·28	7	- 9									
a Guernsey (Villa Carey)	180	50	30th	35	2nd	47·7	40·0	43·9	+ 0·2	3	0·67	17	- 1									
Scilly														hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
St. Heliers ..														3·5	+ 1·7	38	—	—	—	—	—	—
Guernsey† ..														2·6	+ 0·1	28	2	25	45·9	+ 3·5	48·8	+ 3·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 5th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	30, 4	3	29 to 31, 3, 4	53	86	26	0	0	240	18	30	16	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	15	88	65	0	160	7	4	15	16	4	14	50
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	38	112	18	0	40	10	31	21	—	—	—	—
Edinburgh	485	39	51	—	0	30, 4	3	56	77	32	0	160	13	4	20	20	30	0	55
6. SCOTLAND, W.																			
Eskdalemuir	826	50	22	—	0	30, 1	3	56	64	45	0	200	16	30	1	25	30	0	10
Paisley	188	81	15	—	0	—	0	22	136	6	4	60	8	31	15	22	30	0	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	4	49	115	0	200	7	30	2	16	30	0	50
South Shields	72	61	12	—	0	—	0	19	90	59	0	140	10	5	9	17	30	1	0
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	77	61	30	0	100	10	5	21	14	31	12	35
Shoeburyness	103	90	‡	—	0	—	0	79	49	40	0	180	10	30	22	15	31	11	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	55	84	29	0	90	10	4	2	14	4	4	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	65	84	19	0	—	9	30	19	15	30	19	10
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill, S'y Plain ..	513	63	43	—	0	30, 4, 5	8	63	58	38	1	90	12	5	10	15	5	9	50
Richmond (Kew Obs.)..	82	66	22	—	0	—	0	41	70	57	0	200	9	30	8	14	30	7	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	30	1	45	113	9	0	180	11	30	1	—	—	—	—
Southport	80	62	48	—	0	31	5	84	76	3	0	250	14	31	18	17	31	18	15
Holyhead	60	40	‡	—	0	30, 1, 4, 5	11	115	42	0	0	70	12	5	10	19	30	0	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	4, 5	21	30, 2 to 5	33	60	40	14	0	110	20	5	5	27	30	17	25
Mymouth	185	80	2	—	0	30, 4, 5	41	54	51	22	0	—	14	30	18	22	5	0	20
Lyme Regis	556	61	‡	—	0	4, 5	11	44	21	92	0	—	14	5	2	19	5	2	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	30, 3 to 5	28	115	22	3	0	100	15	4	7	—	—	—	—
Quilty	100	40	‡‡	—	0	30, 2 to 4	22	84	57	5	0	—	16	4	4	22	4	3	50
Cahirciveen (Val. Obs.)	88	41	‡	—	0	30, 3 to 5	11	76	67	14	0	150	16	4	3	26	4	2	30
Weaver Pt.	180	30	‡	4	1	30, 2 to 4	43	59	65	0	0	—	17	4	6	25	4	5	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	4	3	98	39	23	5	110	12	4	22	19	4	20	10

‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTH WEEK of 1921—January 30th to February 5th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressur at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	26	79·2	74·8	77·0	+ 0·9	3	− 4	25	−13	3	− 3	0·23	6	− 29	1·6	+0·3	20	1006
Eastern.																			
1. SCOTLAND, EAST ...	51	22	78·4	73·1	75·8	− 0·1	0	− 7	35	− 8	3	− 1	0·41	10	− 5	1·9	+0·1	23	1007
2. ENGLAND, N.E.	51	22	79·4	73·8	76·6	− 0·2	4	− 5	32	0	2	− 2	0·14	4	− 7	1·9	−0·1	22	1007
3. ENGLAND, EAST ...	53	23	80·4	74·1	77·3	+ 0·5	9	− 1	31	− 3	2	− 2	0·08	2	− 9	2·6	+0·2	28	1009
4. MIDLAND COUNTIES ...	51	23	78·8	74·1	76·4	− 0·5	1	− 10	29	− 4	3	− 1	0·38	10	− 3	1·1	−0·9	12	1007
5 ENGLAND, S.E.	51	25	80·2	75·7	77·9	+ 0·3	8	− 5	20	− 6	3	− 1	0·37	9	− 4	1.8	−0·5	19	1008
Western.																			
6. SCOTLAND, WEST ...	50	27	79·4	75·4	77·4	+ 0·3	4	− 5	21	− 8	3	− 2	0·52	13	− 13	1·5	−0·1	18	1007
7. ENGLAND, N.W.	54	27	79·4	75·4	77·4	0·0	4	− 7	21	− 4	2	− 3	0·57	14	− 4	1·9	+0·2	22	1005
8. ENGLAND, S.W.	52	29	80·6	76·4	78·6	+ 0·4	10	− 6	11	− 9	3	− 2	0·59	15	− 6	2·1	−0·1	23	1004
9. IRELAND, NORTH ...	54	29	81·1	76·3	78·7	+ 0·9	19	+ 6	11	−12	4	− 1	0·78	20	0	2·5	+0·8	29	1002
10. IRELAND, SOUTH ...	53	27	81·7	76·2	78·9	+ 0·2	23	+ 3	12	− 6	5	0	1·30	33	+ 13	2·2	+0·2	24	1002
11. ENGLISH CHANNEL ...	52	35	82·2	78·0	80·1	+ 0·3	24	0	3	− 4	4	− 1	0·62	16	− 1	2·6	−0·1	28	1004
MEAN: DISTRICTS 1-10 ...	54	22	79·9	75·1	77·5	+ 0·2	8	− 4	22	− 6	3	− 1	0·51	13	− 4	2·0	0·0	22	1006

THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, November 28th, 1920, to February 5th, 1921.

0. SCOTLAND, NORTH ...	56	17	80·0	74·8	77·5	+ 0·8	111	+ 31	239	− 78	49	− 4	14·52	368	+ 22	0·6	−0·2	9	1007
Eastern.																			
1. SCOTLAND, EAST ...	56	11	79·4	73·8	76·7	+ 0·5	73	− 2	344	− 41	46	+ 5	7·82	198	+ 37	1·5	+0·2	21	1009
2. ENGLAND, N.E.	58	15	80·8	75·6	78·3	+ 1·4	168	+ 76	201	−109	44	+ 6	5·72	147	+ 29	1·1	−0·3	14	1012
3. ENGLAND, EAST ...	58	4	81·3	75·8	78·5	+ 1·7	214	+111	199	−134	47	+ 6	4·76	120	+ 1	1·3	−0·3	16	1015
4. MIDLAND COUNTIES ...	60	−1	80·9	75·8	78·5	+ 1·7	195	+ 84	216	−133	41	0	5·70	145	+ 5	0·9	−0·4	11	1014
5. ENGLAND, S.E.	57	13	81·6	77·0	79·4	+ 1·6	253	+104	141	−110	46	+ 7	5·90	150	− 3	1·1	−0·5	14	1015
Western.																			
6. SCOTLAND, WEST ...	55	20	80·7	75·9	78·4	+ 0·9	155	+ 41	185	− 64	54	+ 6	13·13	335	+ 47	1·0	−0·1	13	1011
7. ENGLAND, N.W.	60	19	81·2	76·6	79·0	+ 1·4	210	+ 90	159	− 86	47	+ 3	8·25	208	+ 13	1·2	0·0	15	1012
8. ENGLAND, S.W.	58	15	81·8	77·3	79·7	+ 1·1	274	+ 89	132	− 52	47	+ 1	9·05	230	− 14	1·3	−0·3	16	1015
9. IRELAND, NORTH ...	57	21	81·8	76·4	80·2	+ 2·1	351	+109	139	− 78	50	− 1	8·69	221	+ 7	1·4	+0·1	18	1009
10. IRELAND, SOUTH ...	60	16	82·5	77·0	79·8	+ 0·9	305	+ 89	131	− 38	50	+ 1	10·07	255	+ 15	1·5	−0·1	19	1012
11. ENGLISH CHANNEL ...	57	28	83·0	79·7	81·4	+ 1·0	399	+103	35	− 26	55	+ 4	7·16	181	− 28	1·4	−0·6	17	1016
MEAN: DISTRICTS 1-10 ...	60	−1	81·2	76·1	78·9	+ 1·3	220	+ 79	185	− 85	47	+ 3	7·91	201	+ 14	1·2	−0·2	16	1012

THE YEAR 1921.—Aggregates, &c., for the Period of 5 Weeks, January 2nd to February 5th, 1921.

0. SCOTLAND, NORTH ...	56	24	80·3	74·8	77·6	+ 1·2	60	+ 27	117	− 58	28	+ 2	9·44	240	+ 73	0·8	−0·1	12	1003
Eastern.																			
1. SCOTLAND, EAST ...	56	15	80·1	74·0	77·2	+ 1·3	40	+ 8	157	− 49	24	+ 4	4·20	106	+ 33	1·5	+0·1	19	1006
2. ENGLAND, N.E.	58	22	81·6	75·9	78·9	+ 2·4	103	+ 64	82	− 91	18	0	2·35	61	+ 10	1·2	−0·3	15	1010
3. ENGLAND, EAST ...	58	23	82·4	76·4	79·5	+ 3·2	133	+ 92	63	−126	18	− 2	1·74	44	− 8	1·8	0·0	21	1014
4. MIDLAND COUNTIES ...	59	23	81·9	76·7	79·4	+ 3·0	110	+ 63	64	−128	19	− 1	2.28	59	− 2	0·9	−0·6	11	1013
5. ENGLAND, S.E.	56	24	82·5	77·7	80·1	+ 2·9	135	+ 77	34	−113	21	+ 2	2·32	59	− 4	1·3	−0·5	16	1015
Western.																			
6. SCOTLAND, WEST ...	53	21	81·2	76·3	78·9	+ 1·8	89	+ 42	69	− 70	29	+ 5	7·55	192	+ 63	1·1	−0·1	14	1008
7. ENGLAND, N.W.	60	25	82·0	77·4	79·8	+ 2·6	122	+ 74	39	−100	24	+ 3	4·84	122	+ 36	1·1	−0·3	13	1011
8. ENGLAND, S.W.	57	22	82·6	78·4	80·6	+ 2·6	152	+ 75	19	− 91	25	+ 3	3·87	98	− 4	1·1	−0·6	13	1015
9. IRELAND, NORTH ...	56	28	82·7	77·5	80·1	+ 2·3	154	+ 90	35	− 85	27	+ 2	4·63	118	+ 19	1·3	−0·1	16	1007
10. IRELAND, SOUTH ...	60	25	83·4	78·2	80·9	+ 2·3	186	+ 88	26	− 68	29	+ 5	4·69	119	+ 11	1·3	−0·4	16	1012
11. ENGLISH CHANNEL ...	56	35	83·6	80·2	81·9	+ 2·1	219	+ 98	3	− 39	28	+ 3	2·86	73	− 12	1·6	−0·5	19	1017
MEAN: DISTRICTS 1-10 ...	60	15	82·0	76·9	79·5	+ 2·4	122	+ 67	59	− 92	23	+ 2	3·85	98	+ 15	1·3	−0·3	15	1011
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
11th February, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) No. 6.

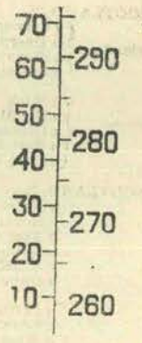
SIXTH WEEK.

SUNDAY, FEBRUARY 6TH, TO SATURDAY, FEBRUARY 12TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was of anticyclonic type; much cloud prevailed and light rain fell in several places, and there was also a good deal of fog or mist in different parts of the country. The winds were mainly easterly or south-easterly at first and north-easterly towards the close of the week. Temperature was highest during the latter days of the week, when many stations recorded maxima of 283 a, but in several districts during the earlier part of the period the thermometer failed to rise above 275 a. The lowest of the minima were mostly on the 10th or 11th, when readings of 269 a were of common occurrence, the actual lowest being 267 a at West Linton and Newton Rigg on the 10th. The lowest readings on the grass (about 264 a) were at Durham, Wisley and Rhayader on the 10th. The mean temperature was below the normal in all districts with the exception of Scotland N. and E., the deficit ranging from 1·6 a in England S.W. to 0·2 a in England N.E. Rainfall was very light in all parts of Great Britain and at several stations the week was rainless. In Ireland on the other hand there were several heavy falls; the largest measurements were 25mm. at Ballinacurra, 18mm. at Cahirciveen (Valencia Observatory), 15mm. at Foynes, 13mm. at Killarney, 12mm. at Mallarany, 11mm. at Kilkenny on the 7th and 16mm. at Cahir, 15mm. at Ballinacurra, 12mm. at Waterford and Roches Point on the 8th. Although several good records of sunshine were obtained on either the 9th or 10th, eight hours or more being recorded at Aberdeen, Harrogate, Tenby, Aberystwyth and Mallarany on one or other of those days; the daily mean for the week was deficient in several districts, many stations having less than half the normal amount. A solar halo was seen at Oxford on the 8th and the Zodiacal Light was observed at the same station on the 9th and 10th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	7·0	14	1·7	4	2·0	0	—	6	3·4	12	5·3	11	4·7	8	5·3
North	5	2·9	1	0·8	18	3·5	22	3·7	14	4·1	12	3·3	14	2·1	15	3·0
West	13	4·6	16	3·9	11	2·1	1	0·8	4	1·5	0	—	14	3·7	0	—
East	12	4·5	5	1·6	9	2·4	15	1·9	17	3·0	28	6·8	11	3·2	24	3·9
Calm	0	—	6	—	6	—	6	—	3	—	0	—	1	—	4	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Light	Very light	Light	Light	Very light	Very light	Light	Very light	Very light	Light	Moderate	Very light
	Sunshine ...	Moderate	Moderate	Scanty	Very scanty	Scanty	Very scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 11 weeks from November 28th, 1920.	Warmth ...	5, 5, 1	5, 4, 2	5, 5, 1	7, 3, 1	6, 4, 1	7, 2, 2	5, 4, 2	6, 3, 2	7, 1, 3	7, 2, 2	7, 1, 3	6, 2, 3
	Rainfall ...	4, 3, 4	5, 3, 3	4, 3, 4	2, 7, 2	2, 5, 4	4, 2, 5	6, 1, 4	5, 3, 3	3, 5, 3	4, 4, 3	4, 4, 3	2, 5, 4
	Sunshine ...	2, 5, 4	6, 3, 2	1, 5, 5	1, 4, 6	0, 5, 6	1, 5, 5	2, 7, 2	1, 8, 2	1, 6, 4	4, 6, 1	1, 7, 3	0, 5, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32111—19) Wt. 24—561/P25 500 2/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	†	°F.
0. SCOTLAND, N.																							
a, Islands	a Lerwick	54	48	10–12	35	12th	45·1	37·7	41·4	+ 3·6	6	0·47	12	- 8	Deerness	1·1	- 0·4	13	—	—	—	—	—	—
	p Deerness, Orkney	165	49	6th	36	7-9	45·1	38·4	41·8	+ 3·9	6	0·33	8	- 11	Stornoway	1·6	0·0	18	—	—	—	—	—	—
	a Stornoway	31	49	11th	31	6th	45·7	35·4	41·1	+ 2·5	5	0·35	9	- 19	Castlebay	2·1	—	24	—	—	—	—	—	—
	a Castlebay, Barra I.	37	49	12th	32	9–11	46·6	41·1	43·9	—	2	0·08	2	—										
b, Mainland	a Wick	81	49	10th	32	9th	45·0	36·9	41·0	+ 3·8	4	0·17	4	- 10										
	a Strathpeffer	125	48	11, 12	23	7th	42·1	29·0	35·6	- 1·3	0	0·00	0	- 17										
	p Glencarron	500	47	11th	26	6th	41·7	32·1	36·9	+ 0·4	4	0·57	14	- 33										
	a Fort Augustus	68	49	11th	26	6, 10, 11	45·9	29·9	37·9	+ 0·8	0	0·00	0	- 26										
	p Fort William	171	48	11, 12	27	10th	43·4	33·6	38·5	+ 0·3	3	0·27	7	- 40										
1. SCOTLAND, E.																							
	a Nairn	82	49	11th	27	6th	43·6	31·6	37·6	+ 0·3	3	0·04	1	- 11	Nairn	3·2	—	37	—	—	—	—	—	—
	p Gordon Castle	101	48	11th	31	9th	44·1	35·0	39·6	+ 1·3	2	0·11	3	- 9	Gordon Castle	2·9	—	33	—	—	—	—	—	—
	a Aberdeen	46	50	12th	30	9th	44·3	34·9	39·6	+ 1·6	4	0·16	4	- 9	Aberdeen	2·3	- 0·2	26	4	19	—	—	40·8	+1·6
	a Balmoral	930	46	11, 12	23	9–11	41·1	28·6	34·9	+ 0·7	3	0·05	1	- 16	Balmoral	—	—	—	6	19	—	—	—	—
	p Crieff	432	48	11th	30	10th	42·7	32·9	37·8	+ 0·2	1	0·03	1	- 22	Crathes	—	—	—	—	—	—	—	—	—
	a Dundee	244	49	12th	29	9, 10	42·4	31·3	36·9	- 0·3	3	0·22	6	- 6	Dundee	2·5	—	28	7	20	35·4	—	—	—
	a Leith	30	46	11, 12	32	10, 11	43·1	34·4	38·8	- 0·4	2	0·05	1	- 8	Leith	—	—	—	4	25	—	—	—	—
	p Edinburgh	441	46	11th	33	8th	41·9	35·0	38·5	+ 0·5	0	0·01	0·2	- 10	Edinburgh	2·3	- 0·4	25	4	27	—	—	—	—
	a West Linton	769	45	10th	21	10th	40·3	28·4	34·4	- 0·6	1	0·06	2	—	West Linton	1·8	—	20	5	20	—	—	—	—
	p Marchmont	498	48	12th	29	9th	42·6	32·9	37·8	+ 0·9	2	0·15	4	- 9	Marchmont	1·7	- 0·6	19	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	49	12th	26	10, 11	43·9	31·6	37·8	—	4	0·82	21	—	Ford (Argyll)	—	—	—	5	22	37·4	—	41·9	—
	p Glasgow Observatory	180	47	11th	28	11th	42·0	33·3	37·7	- 1·2	1	0·02	1	- 18	Glasgow	0·8	- 0·7	8	4	23	—	—	—	—
	a Renfrew	49	49	11th	25	11th	42·3	30·6	36·5	—	1	0·02	0·4	—	Renfrew	0·9	—	11	4	16	—	—	—	—
	p Rothesay	200	49	12th	31	10th	42·9	35·0	39·0	- 0·7	2	0·26	7	- 20	Rothesay	1·8	—	20	3	25	38·0	—	42·0	+0·3
	a Kilmarnock	90	50	11th	26	10th	44·4	31·7	38·1	- 0·2	1	0·08	2	- 19	Kilmarnock	1·6	—	18	—	—	37·6	—	43·2	—
	a Colmonell	170	52	10th	26	10th	46·3	32·6	39·5	+ 0·8	2	0·18	5	- 21	Colmonell	—	—	—	5	21	—	—	—	—
	p Dumfries	160	47	10th	25	10th	40·9	31·6	36·3	- 2·2	1	0·04	1	- 19	Dumfries	1·1	—	12	4	19	38·1	+0·6	42·2	+2·2
	a Eskdalemuir	794	44	11th	19	11th	40·1	26·3	33·2	—	2	0·05	1	—	Eskdalemuir	2·1	—	23	5	17	—	—	—	—
b, I. OF MAN	p Douglas	284	49	12th	32	11th	44·7	36·3	40·5	- 0·1	2	0·17	4	- 18	Douglas	2·8	+ 0·4	30	3	25	—	—	—	—
2. ENGLAND, N.E																							
a, North	a Alnwick Castle	210	48	12th	28	11th	42·7	33·3	38·0	- 0·3	3	0·16	4	- 7										
	a Tynemouth	118	45	11, 12	33	7, 11, 12	42·0	34·3	38·2	- 0·7	3	0·16	4	- 4	Cockle Park	1·0	- 1·6	11	4	21	36·3	-0·1	40·8	+1·7
	p Durham	336	49	10, 12	28	11th	42·3	31·9	37·1	- 0·5	3	0·09	2	- 6	Durham	1·5	- 0·7	17	4	16	—	—	—	—
	p Rounton	249	44	12th	29	9–11	40·7	32·3	36·5	- 1·1	6	0·09	2	- 7	Rounton	—	—	—	5	18	37·9	—	—	—
	a West Witton	605	46	9th	29	11th	41·0	32·3	36·7	—	0	0·00	0	—	West Witton	—	—	—	5	22	36·8	—	41·9	—
	p Scarborough	118	48	9th	25	7-10	44·4	37·0	40·7	+ 1·4	1	0·04	1	- 9	Scarborough	1·6	- 0·6	18	—	—	—	—	42·6	—
	p York	56	46	12th	31	10th	42·1	35·1	38·6	- 0·2	1	0·02	1	- 8	York	0·9	- 1·0	9	—	—	39·7	+1·7	43·5	+2·5
b, South	a Spurn Head	26	46	10th	32	7, 8	42·3	34·9	38·6	- 0·3	2	0·16	4	- 3	Spurn Head	—	—	—	—	—	—	—	—	—
	a Lincoln	58	47	10th	31	10th	42·6	34·7	38·7	+ 0·3	2	0·04	1	- 8	Lincoln	—	—	—	3	27	38·4	+1·7	43·3	+3·0
	a Fulbeck	180	45	9, 10	29	10th	41·1	32·9	37·0	- 1·2	3	0·05	1	- 8	Fulbeck	1·5	- 1·2	16	4	23	—	—	—	—
															Skegness	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	196	45	10th	31	7, 8	41·4	33·3	37·4	- 1·2	3	0·06	1	- 6	Cromer	1·4	- 1·3	15	—	—	—	—	—	—
	a Little Massingham	277	44	11th	30	8, 9	40·4	32·4	36·4	- 1·8	4	0·09	2	- 8	Lit. Massingham	1·6	- 0·7	17	—	—	—	—	—	—
	a Yarmouth	13	44	10, 12	32	9th	41·6	35·7	38·7	+ 0·4	4	0·11	3	- 6	Yarmouth	1·5	—	16	1	30	41·6	+3·4	44·7	+2·5
	a Norwich	93	44	9–11	30	9th	41·1	34·7	37·9	- 0·6	5	0·18	5	- 5	Norwich	0·7	—	7	3	22	36·9	—	—	—
	a Geldeston	37	46	8th	27	9th	42·7	32·6	37·7	- 1·2	4	0·13	3	- 5	Geldeston	1·2	- 1·2	13	—	—	—	—	—	—
	p Cambridge	41	46	10th	32	10th	42·4	34·6	38·5	- 0·3	1	0·02	1	- 7	Cambridge	1·3	- 1·1	14	3	26	39·5	+1·3	44·1	+2·3
	a Clacton-on-Sea	54	45	12th	33	9, 10	41·4	35·3	38·4	- 0·1	1	0·06	1	- 6	Clacton	0·9	- 1·8	10	1	27	40·0	+0·4	44·8	+1·5
	a Rothamsted	420	43	10, 12	31	10th	39·7	33·3	36·5	- 1·7	3	0·04	1	- 10	Rothamsted	0·9	- 1·4	9	5	26	38·4	—	—	—
	p Tottenham	51	44	9, 12	32	10th	41·7	35·0	38·4	—	0	0·00	0	—	Tottenham	0·8	—	9	1	30	—	—	44·8	+1·8
															S'thend-on-Sea	0·6	—	7	1	30	40·4	+2·1	—	—
4. MIDLAND COUNTIES.																							
a, North	a Harrogate	479	44	11th	31	9th	40·3	33·4	36·9	- 0·7	2	0·03	1	- 12	Harrogate	1·7	- 0·6	18	3	24	38·7	+1·0	41·8	+2·3
	p Sheffield	429	45	12th	33	7, 8	41·3	35·7	38·5	—	3	0·05	1	—	Sheffield	0·6	- 1·4	7	2	28	37·9	+0·6	42·3	+1·6
	p Buxton	987	43	9th	28	10th	38·9	32·3	35·6	- 0·4	2	0·02	0·4	- 24	Buxton	1·3	—	15	5	23	36·7	0·0	42·4	+1·4
b, East	a Worksop	56	48	9th	27	10th	43·3	32·9	38·1	- 0·7	2	0·03	1	- 9	Worksop	1·4	- 0·4	15	3	19	38·5	—	42·6	—
	a Nottingham	82	46	12th	33	8–10	42·1	34·1	38·1	- 0·6	1	0·02	0·4	- 10	Nottingham	1·2	- 0·6	12	3	27	37·1	+0·4	41·4	+2·3
	p Birmingham, Edgbsn.	525	45	9, 12	30	10th	41·3	34·0	37·7	- 1·0	0	0·00	0	- 11	Birmingham	0·7	- 0·9	7	2	19	39·0	-0·3	45·2	+1·8
	a Raunds	203	45	10th	30	10th	41·4	32·1	36·8	- 1·2	2	0·02	1	- 8	Raunds	1·4	—	15	4	27	38·8	—	—	—
	p Oxford	208	46	9, 10	31	10th	42·1	33·7	37·9	- 1·6	1	0·01	0	- 10	Oxford	1·5	- 0·7	16	5	26	—	—	—	—
															Malvern	1·6	—	17	3	27	38·5	—	43·6	—
c, West	a Cheadle (N. Staffs.)	646	45	12th	32	7,8,10,11	40·6	32·9	36·8	- 0·8	0	0·00	0	- 13	Cheadle	—	—	—	2	27	—	—	—	—
	p Tenbury	313	46	12th	26	10th	42·0	32·4	37·2	- 2·2	1	0·02	1	- 8	Tenbury	—	—	—	5	20	39·1	—	—	—
	a Hereford	291	45	9th	25	10th	42·7	32·3	37·5	- 1·7	0	0·00	0·1	- 13	Ross-on-Wye	1·1	—	12	3	22	38·5	—	44·2	—
	a Clifton	225	46	9th	31	10th	42·3	34·3	38·3	- 2·1	0	0·00	0	- 15	Clifton	1·7	—	18	3	27	—	—	—	—
															Worthing	0·9	- 1·7	9	1	30	39·7	-0·4	45·5	+1·9
5. ENGLAND, S.E.															Marlborough	0·9	- 0·8	10	5	21	39·9	—	45·7	—
	a Marlborough	424	45	9, 12	30	10th	41·1	33·3	37·2	- 1·0	2	0·03	1	- 15	Wisley	0·3	- 1·5	3	5	15	39·7	+1·0	44·5	+2·5
	a Wisley, Surrey	150	45	12th	31	10th	41·7	34·1	37·9	- 1·2	2	0·04	1	- 11	Tunbridge Wells	0·2	- 1·9	2	4	25	40·4	+3·8	44·4	—
	a Tunbridge Wells	354	47	12th	31	10th	41·3	33·6	37·5	- 1·2	2	0·03	1	- 14	Margate	0·8	- 1·3	8	0	32	40·6	+0·4	44·8	+2·2
	a Margate	51	44	10th	35	8th	42·1	36·6	39·4	- 0·4	4	0·18	5	- 4										
	a Dungeness	21	45	12th	32	10th	41·9	35·6	38·8	- 1·0	2	0·12	3	- 8	Folkestone	—	—	—	—	—	—	—	—	—
	p St. Leonards	178	45	12th	35	7–11	42·1	35·3	38·7	- 1·3	3	0·10	3	- 10	St. Leonards	1·3	- 1·2	14	1	30	40·4	—	45·5	—
	p Southampton	64	45	12th	31	10th	41·3	33·3	37·3	- 3·7	0	0·00	0	- 15	Southampton	0·8	- 1·4	9	5	23	—	—	—	—
	a Ventnor	59	46	12th	34	10th	42·3	36·1	39·2	- 2·7	0	0·00	0	- 14	Ventnor	1·2	- 1·3	13	—	—	—	—	—	—
LONDON.	a Richmond (Kew Obs.)	18	45	9, 10, 12	34	10, 11	42·3	35·4	38·9	- 0·9	1	0·02	0·4	- 10	Richmond	0·6	- 1·1	6	2	23	38·8	+0·3	44·8	+2·0
	a Westminster	27	47	10th	35	7, 10	43·0	37·0	40·0	- 0·4	1	0·01	0·2	- 10	Westminster	0·5	- 0·6	5	1	28	—	—	—	—
	ag Greenwich	149	46	12th	33	10th	41·7	35·3	38·5	- 0·5	2	0·03	1	- 8	Greenwich	0·4	- 1·4	5	3	28	—	—	—	—
	a Hampstead	450	43	9, 10, 12	31	10th	40·3	33·4	36·9	—	4	0·04	1	—	Hampstead	0·8	—	9	3	28	—	—	—	—
	ag Camden Square	110	47	10, 12	32	10th	42·4	35·6	39·0	- 0·7	2	0·02	1	- 10	Camden Square	—	—	—	3	26	—	—	—	—
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	42	9–12	25	10th	40·4	31·1	35·8	- 2·6	1	0·03	1	- 20	Aspatria	2·2	+ 0·1	24	4	21	38·4	-0·7	43·4	+0·8
	p Newton Rigg	559	45	12th	20	10th	40·3	29·6	35·0	- 2·0	0	0·00	0	- 22	Newton Rigg	1·2	- 0·6	14	5	17	—	—	—	—
	p Stonyhurst	375	47	12th	30	10th	42·3	33·3	37·8	- 0·5	1	0·01	0·2	- 23	Stonyhurst	1·9	+ 0·2	21	3	24	—	—	—	—
	a Blackpool	66	47	12th	31	10, 11	42·4	33·6	38·0	- 1·1	1	0·05	1	- 14	Blackpool	2·5	+ 0·3	27	3	26	40·2	—	44·8	—
	a Southport	37	44	10, 12	28	10th	41·3	32·7	37·0	- 2·3	2	0·09	2	- 12	Southport	2·2	0·0	24	4	20	37·0	+0·2	41·9	+2·3
															Hoylake	2·4	+ 0·4	26	—	—	—	—	—	—
	a Liverpool (Bidston)	188	46	12th	33	10, 11	41·9	34·9	38·4	- 1·3	2	0·02	1	- 10	Liverpool	2·1	—	23	5	24	—	—	—	—
	a Hawarden Bridge	22	46	12th	31	10th	42·6	34·7	38·7	- 1·7	2	0·06	1	- 9	Manchester (City)	0·2	- 0·8	2	1	30	37·8	+0·2	44·3	+2·3
	p Manchester (Whit. Pk.)	125	49	12th	26	10th	42·4	33·3	37·9	- 2·0	2	0·03	1	- 12	Whitworth Park	0·0	- 1·2	0	—	—	—	—	—	—
v. NORTH WALES.																							
	p Llandudno	22	48	12th	26	10th	43·7	33·0	38·4	- 3·2	2	0·04	1	- 13	Llandudno	2·7	+ 0·6	29	—	—	—	—	—	—
	a Holyhead	10	51	12th	34	10, 11	45·4	35·1	40·3	- 1·3	2	0·13	3	- 13	Holyhead	2·7	—	30	2	23	—	—	—	—
	a Aberdovey	60	50	9th	31	10th	45·9	35·3	40·6	—	2	0·05	1	—	Aberdovey	2·8	+ 0·6	31	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. Highest.	Date	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft Mean.	Deviation from average.
3. a. SOUTH WALES.	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
a Aberystwyth	16	47	8th	29	10th	44·9	33·6	39·3	—	2	0·07	2	—	Aberystwyth ..	2·9	+ 0·8	31	—	—	—	—	—
a Rhayader	757	46	12th	23	10th	40·9	29·7	35·3	—	1	0·03	1	—	Rhayader ..	2·8	—	30	6	14	—	—	—
a St. Ann's Head ..	149	50	12th	31	8th	45·0	35·7	40·4	- 2·0	2	0·05	1	- 17	St. Ann's Head	3·5	+ 1·3	38	—	—	—	—	—
p Cardiff	202	47	9, 12	31	10th	42·6	34·1	38·4	- 1·4	0	0·00	0	- 19	Cardiff	3·3	—	24	4	20	39·9	+ 0·5	45·6	+ 3·0
b, ENGLAND, S.W.																						
a Bath	66	47	9th	28	10th	42·6	33·4	38·0	- 2·1	0	0·00	0	- 14	Bath	1·2	- 0·9	13	—	—	41·4	+ 2·5	46·3	+ 3·4
a Shaftesbury	722	43	9th	30	7, 10	39·4	31·0	35·2	- 3·2	0	0·00	0	- 15	Shaftesbury ..	—	—	—	—	—	39·2	—	44·6	—
a Arlington	613	47	12th	30	10th	42·0	32·3	37·2	- 2·3	0	0·00	0	- 26										
a Newquay	190	48	12th	32	10th	44·2	34·4	39·3	- 3·9	0	0·00	0	- 17	Newquay ..	4·1	+ 1·8	43	5	27	44·1	—	48·4	—
a Cullompton	202	47	9, 12	30	9, 10	43·1	32·3	37·7	- 2·7	1	0·02	1	- 17	Cullompton ..	1·6	- 0·4	17	5	23	41·8	—	—	—
a Portland Bill	19	47	12th	33	8th	43·4	35·1	39·3	- 2·8	1	0·04	1	- 12	Weymouth ..	1·7	—	18	—	—	—	—	—	—
p Plymouth	116	49	9, 12	34	7, 10*	44·9	35·3	40·1	- 2·3	0	0·00	0	- 19	Plymouth ..	2·7	+ 0·4	28	6	27	41·4	- 0·3	47·8	—
a Falmouth	167	49	12th	31	10th	45·4	35·7	40·6	- 2·8	1	0·02	1	- 23	Falmouth ..	2·9	+ 0·4	30	3	24	43·3	—	48·4	—
9. IRELAND, N.																						
a West .. { *a* Malin Head	20×	48	12th	34	9th	45·0	36·4	40·7	+ 0·1	2	0·35	9	- 7	Malin Head ..	2·8	—	30	—	—	—	—	—	—
{ *a* Blacksod Point ..	10	?50	9th	32	12th	47·3	35·9	41·6	- 0·6	1	0·28	7	- 20	Mallarany ..	3·6	—	40	3	25	—	—	—	—
{ *a* Mallarany	120	50	9th	32	10th	46·3	35·1	40·7	—	1	0·47	12	—	Markree Castle	2·2	+ 0·3	24	4	23	41·7	+ 1·2	45·4	+ 1·8
{ *p* Markree Castle ..	122	51	9th	26	10th	46·9	31·9	39·4	- 0·5	3	0·21	5	- 18										
b, East .. { *p* Armagh	204	50	9th	28	10th	44·1	33·9	39·0	- 0·7	4	0·17	4	- 11	Armagh	1·2	- 0·9	13	3	23	40·7	+ 0·9	44·7	+ 2·0
{ *a* Donaghadee	35	49	11th	28	11th	45·3	37·3	41·3	+ 0·7	3	0·14	4	- 11										
10. IRELAND, S.																						
p Dublin, City	54	49	12th	31	9th	45·0	35·6	40·3	- 1·9	2	0·15	4	- 9	Trinity Coll. ..	0·8	—	9	4	28	42·3	+ 1·5	46·4	+ 3·0
a Birr Castle	175	46	9, 12	26	11th	43·3	29·9	36·6	- 3·9	2	0·35	9	- 7	Phœnix Park ..	1·6	- 0·7	17	5	22	—	—	—	—
a Kilkenny	195	48	12th	27	10th	43·7	32·3	38·0	- 2·8	4	0·70	18	+ 1	Dublin City ..	—	—	—	3	27	—	—	—	—
a Waterford	137	48	6th	33	9, 10	46·0	35·7	40·9	- 1·3	2	0·76	19	- 3	Birr Castle ..	1·6	- 0·5	17	4	20	—	—	—	—
p Seskin, Carrick-on-Suir	542	46	10, 12	30	11th	43·3	34·1	38·7	—	4	0·62	16	—	Seskin	1·8	—	19	3	23	—	—	—	—
a Cahir	199	49	6th	25	10th	44·1	31·9	38·0	- 3·0	3	0·78	20	—										
a Foynes	50	49	10th	28	11th	45·7	34·3	40·0	- 2·3	4	0·64	16	- 5										
a Cahirciveen (Val. Obs.)	30	50	9th	30	11, 12	48·1	37·0	42·6	- 1·7	1	0·71	18	- 16	Cahirciveen ..	4·3	+ 2·2	44	2	26	—	—	—	—
a Killarney	174	51	8th	26	11th	47·5	34·3	40·9	- 1·9	2	0·52	13	- 22	Ballinacurra ..	2·3	- 0·1	24	—	—	—	—	—	—
a Roche's Point	32	49	8, 12	35	11th	47·4	38·1	42·8	- 0·7	4	0·85	22	- 3										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	49	6, 9, 12	39	11, 12	46·9	41·3	44·1	- 1·0	2	0·03	1	- 15	Scilly	2·5	+ 0·1	26	—	—	—	—	—	—
a Jersey, St. Aubins ..	26	48	12th	32	9th	43·7	36·7	40·2	- 2·5	1	0·04	1	- 14	St. Heliers ..	2·1	- 0·6	22	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	46	10, 12	36	9th	43·6	38·8	41·2	- 2·1	5	0·05	1	- 15	Guernsey† ..	1·5	- 1·0	16	1	26	42·6	- 0·1	47·5	+ 2·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 12th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	5 to 8, 11	37	82	47	2	0	150	13	5	7	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	4	100	64	0	320	6	11	14	14	11	18	20
Aberdeen, (Cup Anr.)¶ ..	120	72	12	—	0	—	0	20	129	19	0	300	10	11	13	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	7	134	27	0	170	7	8	11	10	8	10	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	0	61	107	0	320	5	9	14	8	{ 6	18	5
Paisley	188	81	15	—	0	—	0	0	121	47	0	310	5	11	14	9	{ 7	2	20
																	11	14	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	0	68	100	0	120	5	6	13	9	12	1	10
South Shields	72	61	12	—	0	—	0	19	125	24	0	120	8	6	20	11	6	21	5
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	89	64	15	0	90	10	6	14	17	10	8	25
Shoeburyness	103	90	‡	—	0	—	0	33	98	37	0	40	9	10	13	14	10	15	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	8	117	43	0	20	6	10	15	13	10	15	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	4	110	54	0	—	6	10	14	12	10	15	45
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	76	70	0	22	40	10	10	13	14	10	13	50
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	25	106	37	0	40	7	10	15	13	10	14	40
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	0	129	39	0	150	5	8	12	—	—	—	—
Southport	80	62	48	—	0	—	0	9	126	33	0	100	6	6	15	11	6	15	5
Holyhead	60	40	‡	—	0	—	0	46	111	11	0	130	8	7	23	11	7	22	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	6, 8	6	98	45	19	0	80	13	6	1	16	6	0	40
Plymouth	185	88	2	—	0	—	0	52	115	1	0	—	10	8	12	15	11	10	15
Lyme Regis	556	61	‡	—	0	—	0	8	58	102	0	—	7	10	20	11	10	13	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	60	102	6	0	150	9	7	10	—	—	—	—
Quilty	100	40	‡	—	0	6, 7	24	32	82	15	15	—	15	7	12	20	7	10	35
Cahirciveen, (Val. Obs.)	98	41	‡	—	0	6	1	88	69	10	0	350	11	6	3	19	7	5	5
Weaver Pt.	160	30	‡	—	0	6, 7, 8	21	58	89	0	0	—	12	8	4	17	8	4	0
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	8	3	30	110	25	0	140	12	8	11	17	8	9	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTH WEEK of 1921—February 6th to February 12th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	49	23	79·7	73·9	76·8	+ 0·7	6	+ 1	31	− 8	3	− 2	0·26	7	− 22	1·4	−0·1	16	1031
Eastern.																			
1. SCOTLAND, EAST ...	50	21	78·9	73·2	76·1	+ 0·3	2	− 5	35	− 9	2	− 2	0·08	2	− 12	2·4	+0·1	27	1033
2. ENGLAND, N.E.	49	28	78·7	74·1	76·4	− 0·2	1	− 9	29	− 6	3	− 1	0·09	2	− 7	1·3	−1·1	14	1033
3. ENGLAND, EAST ...	46	27	78·2	74·2	76·2	− 0·5	0	− 10	29	− 5	3	− 1	0·08	2	− 7	1·2	−1·2	13	1031
4. MIDLAND COUNTIES ...	48	25	78·4	73·7	76·1	− 0·6	0	− 11	32	− 5	1	− 3	0·01	0	− 12	1·2	−0·8	13	1032
5. ENGLAND, S.E.	47	30	78·4	74·6	76·5	− 0·8	0	− 13	26	− 3	2	− 2	0·06	2	− 12	0·8	−1·4	8	1031
Western.																			
6. SCOTLAND, WEST ...	52	25	79·4	73·7	76·6	− 0·3	4	− 5	32	+ 1	2	− 3	0·22	6	− 20	1·8	−0·2	20	1034
7. ENGLAND, N.W.	51	20	78·7	73·6	76·2	− 1·0	1	− 9	32	+ 4	2	− 2	0·04	1	− 16	2·2	+0·3	24	1033
8. ENGLAND, S.W.	50	23	79·1	73·8	76·4	− 1·6	3	− 12	30	+ 7	1	− 3	0·02	1	− 19	2·7	+0·6	29	1032
9. IRELAND, NORTH ...	51	25	80·4	74·2	77·3	− 0·4	9	− 5	30	+ 6	3	− 2	0·25	6	− 14	2·1	+0·1	23	1033
10. IRELAND, SOUTH ...	51	25	80·6	74·3	77·4	− 1·3	10	− 10	30	+11	3	− 2	0·61	15	− 8	2·4	+0·3	26	1033
11. ENGLISH CHANNEL ...	49	32	80·1	76·8	78·4	− 1·2	8	− 15	13	+ 3	3	− 1	0·04	1	− 15	2·0	−0·6	21	1030
MEAN: DISTRICTS 1–10 ...	52	20	79·1	73·9	76·5	− 0·6	3	− 9	31	0	2	− 2	0·15	4	− 13	1·8	−0·3	20	1033

THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, November 28th, 1920, to February 12th, 1921.

0. SCOTLAND, NORTH ...	56	17	80·0	74·7	77·5	+ 0·8	117	+ 32	270	− 86	52	− 6	14·78	375	0	0·7	−0·1	10	1009
Eastern.																			
1. SCOTLAND, EAST ...	56	11	79·4	73·7	76·7	+ 0·6	75	− 7	379	− 50	48	+ 3	7·90	200	+ 25	1·6	+0·3	21	1011
2. ENGLAND, N.E.	58	15	80·6	75·5	78·1	+ 1·2	169	+ 67	230	−115	47	+ 5	5·81	149	+ 22	1·1	−0·3	14	1014
3. ENGLAND, EAST ...	58	4	81·0	75·6	78·2	+ 1·4	214	+101	228	−139	50	+ 5	4·84	122	− 6	1·3	−0·3	16	1016
4. MIDLAND COUNTIES ...	60	−1	80·7	75·7	78·2	+ 1·4	195	+ 73	248	−138	42	− 3	5·71	145	− 7	0·9	−0·5	12	1016
5. ENGLAND, S.E.	57	13	81·3	76·8	79·1	+ 1·4	253	+ 91	167	−113	48	+ 5	5·96	152	− 15	1·1	−0·6	13	1017
Western.																			
6. SCOTLAND, WEST ...	55	20	80·6	75·7	78·2	+ 0·8	159	+ 36	217	− 63	56	+ 3	13·35	341	+ 27	1·1	−0·1	14	1013
7. ENGLAND, N.W.	60	19	81·0	76·3	78·7	+ 1·1	211	+ 81	191	− 82	49	+ 1	8·29	209	− 3	1·2	−0·1	16	1014
8. ENGLAND, S.W.	58	15	81·6	77·0	79·4	+ 0·9	277	+ 77	162	− 45	48	− 2	9·07	231	− 33	1·4	−0·2	17	1016
9. IRELAND, NORTH ...	57	21	81·7	76·2	79·9	+ 1·9	260	+104	169	− 72	53	− 3	8·94	227	− 7	1·5	+0·1	19	1011
10. IRELAND, SOUTH ...	60	16	82·3	76·8	79·6	+ 0·7	315	+ 79	161	− 27	53	− 1	10·68	270	+ 7	1·6	0·0	20	1014
11. ENGLISH CHANNEL ...	57	28	82·8	79·4	81·1	+ 0·7	407	+ 88	48	− 23	58	+ 3	7·20	182	− 43	1·5	−0·5	17	1017
MEAN: DISTRICTS 1–10 ...	60	−1	81·0	75·9	78·6	+ 1·1	213	+ 70	215	− 84	49	+ 1	8·06	205	+ 1	1·3	−0·2	16	1014

THE YEAR 1921.—Aggregates, &c., for the Period of 6 Weeks, January 2nd to February 12th, 1921.

0. SCOTLAND, NORTH ...	56	23	80·2	74·7	77·5	+ 1·2	66	+ 28	148	− 66	31	0	9·70	247	+ 51	0·9	−0·1	12	1008
Eastern.																			
1. SCOTLAND, EAST ...	56	15	79·9	73·9	77·0	+ 1·1	42	+ 3	192	− 58	26	+ 2	4·28	108	+ 21	1·6	0·0	21	1010
2. ENGLAND, N.E.	58	22	81·1	75·6	78·5	+ 2·0	104	+ 55	111	− 97	21	− 1	2·44	63	+ 3	1·2	−0·4	15	1014
3. ENGLAND, EAST ...	58	23	81·7	76·0	79·0	+ 2·6	133	+ 82	92	−131	21	− 3	1·82	46	− 15	1·6	−0·3	20	1017
4. MIDLAND COUNTIES ...	59	23	81·3	76·2	78·8	+ 2·4	110	+ 52	96	−133	20	− 4	2.29	59	− 14	1·0	−0·6	12	1016
5. ENGLAND, S.E.	56	24	81·8	77·2	79·5	+ 2·3	135	+ 64	60	−116	23	0	2·38	61	− 16	1·2	−0·6	14	1018
Western.																			
6. SCOTLAND, WEST ...	53	21	80·9	75·9	78·5	+ 1·4	93	+ 37	101	− 69	31	+ 2	7·77	198	+ 43	1·2	−0·1	15	1013
7. ENGLAND, N.W.	60	20	81·5	76·8	79·2	+ 2·0	123	+ 65	71	− 96	26	+ 1	4·88	123	+ 20	1·3	−0·2	15	1015
8. ENGLAND, S.W.	57	22	82·0	77·7	79·9	+ 1·9	155	+ 63	49	− 84	26	0	3·89	99	− 23	1·4	−0·4	16	1018
9. IRELAND, NORTH ...	56	25	82·3	76·9	79·7	+ 1·9	163	+ 85	65	− 79	30	0	4·88	124	+ 5	1·4	−0·1	17	1012
10. IRELAND, SOUTH ...	60	25	83·0	77·6	80·3	+ 1·7	196	+ 78	56	− 57	32	+ 3	5·30	134	+ 3	1·5	−0·3	18	1016
11. ENGLISH CHANNEL ...	56	32	83·0	79·7	81·4	+ 1·8	227	+ 83	16	− 36	31	+ 2	2·90	74	− 27	1·7	−0·5	19	1019
MEAN: DISTRICTS 1–10 ...	60	15	81·6	76·4	79·0	+ 1·9	125	+ 58	89	− 92	26	0	3·99	102	+ 3	1·3	−0·3	16	1015
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
18th February, 1921.

METEOROLOGICAL OFFICE
26 FEB 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 7.

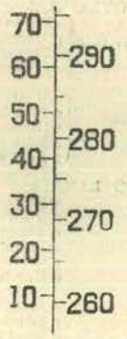
SEVENTH WEEK.

SUNDAY, FEBRUARY 13TH, TO SATURDAY, FEBRUARY 19TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions again prevailed over the British Islands during the past week and the general character of the weather was cloudy, with bright intervals and slight showers in a few places. The winds were mostly from between west and north-west and light or moderate in force, but on Saturday easterly winds were experienced in many places. The day temperatures were decidedly high for the time of year, maxima of 284 a being general throughout the country, the actual highest were 287 a at Plymouth and also at York and a few other stations in England N.E. The lowest screen minima were registered generally towards the end of the week, when readings of 270 a were recorded in several places, while at one or two stations the thermometer on the grass went down to 265 a. The mean temperature for the week was well above the normal in all districts, the excess ranging from + 0·9 a in the Channel Islands to about + 3 a in Scotland and also in Ireland N. The total rainfall showed a deficiency everywhere and the departure from the normal was large in all districts, but in Scotland several rather heavy falls were reported, Glencarron having 43mm. on the 14th, and on the 15th Ford (Argyll) measured 23mm. Fort William 21mm., and Rothesay 18mm. Good records of sunshine were obtained at the beginning of the week; over 8 hours were recorded at Norwich and Harrogate on the 14th and several stations in the eastern parts of England had more than 7 hours on the same date, while on the 18th Aspatria and Aberdovey had about the same amount. The daily mean for the week was, however, small generally; in England E. there was a slight excess, but elsewhere there was a deficiency. During the week solar halos were observed at Oxford, Tenbury and Ross-on-Wye and lunar halos at Fort William, Aberdeen, Birmingham, Folkestone and Oxford.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	3·0	11	2·0	6	0·8	8	1·4	8	1·7	8	1·7	16	3·0	13	1·9
North	16	3·9	1	1·1	17	2·0	11	2·5	16	2·7	15	2·6	3	1·0	5	1·6
West	25	8·8	23	7·7	20	3·4	15	2·9	21	5·7	9	3·7	20	6·8	8	3·3
East	2	1·8	2	1·4	6	2·8	7	2·3	4	3·6	15	5·3	5	1·8	11	2·3
Calm	1	—	2	—	2	—	6	—	2	—	1	—	3	—	9	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES:											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate
Rainfall ...	Moderate	Very light	Very light	Very light	Very light	Very light	Light	Light	Nought	Light	Very light	Very light
Sunshine ...	Scanty	Moderate	Moderate	Very scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Very scanty	Very scanty	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 12 weeks from November 28th, 1920. Warmth ...	6, 5, 1	6, 4, 2	6, 5, 1	8, 3, 1	7, 4, 1	8, 2, 2	6, 4, 2	7, 3, 2	8, 1, 3	8, 2, 2	8, 1, 3	6, 3, 3
Rainfall ...	4, 4, 4	5, 3, 4	4, 3, 5	2, 7, 3	2, 5, 5	4, 2, 6	6, 1, 5	5, 3, 4	3, 5, 4	4, 4, 4	4, 4, 4	2, 5, 5
Sunshine ...	2, 5, 5	6, 4, 2	1, 6, 5	1, 4, 7	0, 5, 7	1, 5, 6	2, 8, 2	1, 9, 2	1, 6, 5	4, 6, 2	1, 7, 4	0, 5, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32209—19) Wt. 24—561/P25 500 2/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	48	13-16	35	14th	46·6	37·4	42·0	+ 4·2	5	1·69	43	+ 22										
p Deerness, Orkney ..	165	48	13, 14, 17	36	14th	46·7	39·7	43·2	+ 5·1	6	0·54	14	- 6	Deerness ..	0·7	- 1·4	8	—	—	—	—	—	—
a Stornoway	51	50	15, 16	36	19th	48·1	41·7	44·9	+ 6·2	4	0·43	11	- 19	Stornoway ..	0·9	- 1·4	10	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	50	15, 16	44	15, 18, 19	48·4	45·1	46·8	—	4	0·21	5	—	Castlebay ..	1·2	—	13	—	—	—	—	—	—
b, Mainland. a Wick	81	51	15th	31	19th	48·0	37·9	43·0	+ 5·5	4	0·47	12	- 4										
a Strathpeffer	125	51	15, 16	29	19th	47·9	38·3	43·1	+ 5·9	2	0·40	10	- 8										
p Glencarron	500	50	15th	31	19th	46·3	38·7	42·5	+ 5·8	4	2·43	62	+ 11										
a Fort Augustus.. ..	68	54	13, 16	28	19th	49·4	35·6	42·5	+ 5·2	2	0·34	9	- 19										
p Fort William	171	52	16th	33	18th	48·4	39·6	44·0	+ 5·5	4	1·15	29	- 21										
1. SCOTLAND, E.																							
a Nairn	82	53	16th	30	19th	48·7	39·1	43·9	+ 6·2	2	0·06	1	- 10	Nairn	1·9	—	20	—	—	—	—	—	—
p Gordon Castle ..	101	53	15th	34	19th	48·7	40·4	44·6	+ 5·9	2	0·04	1	- 11	Gordon Castle..	1·2	—	13	—	—	—	—	—	—
a Aberdeen	46	56	15th	34	19th	49·6	40·0	44·8	+ 6·4	2	0·05	1	- 12	Aberdeen ..	1·7	- 1·1	18	1	27	—	—	40·8	+1·5
a Balmoral	930	52	16th	24	19th	47·4	34·0	40·7	+ 6·2	1	0·05	1	- 16	Balmoral ..	—	—	3	21	—	—	—	—	—
p Crieff	432	57	16th	32	18th	50·7	37·7	44·2	+ 6·1	1	0·01	0·3	- 21	Crathes	2·1	- 0·9	23	—	—	—	—	—	—
a Dundee	244	58	16th	29	18th	52·4	36·7	44·6	+ 7·0	0	0·00	0	- 12	Dundee	5·1	—	54	4	21	37·7	—	—	—
a Leith	30	56	16th	33	18, 19	49·7	39·3	44·5	+ 4·9	1	0·02	0·4	- 9	Leith	—	—	—	2	24	—	—	—	—
p Edinburgh	441	54	16th	36	18, 19	47·4	39·1	43·3	+ 4·9	0	0·00	0	- 10	Edinburgh ..	4·4	+ 1·4	46	2	22	—	—	—	—
a West Linton	769	50	17th	23	18th	45·4	33·9	39·7	+ 4·2	2	0·14	4	—	West Linton ..	1·0	—	11	3	18	—	—	—	—
p Marchmont	498	55	16th	—	—	48·6	—	—	—	0	0·00	0	- 13	Marchmont .	2·7	+ 0·1	28	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	51	14th	30	18th	48·2	38·1	43·2	—	4	1·22	31	—	Ford (Argyll) ..	—	—	—	2	25	41·2	—	41·4	—
p Glasgow Observatory	180	51	16th	33	18th	47·4	40·6	44·0	+ 4·8	2	0·06	2	- 18	Glasgow.. ..	1·4	- 0·3	14	1	27	—	—	—	—
a Renfrew	49	53	16th	27	19th	49·3	36·9	43·1	+ 4·2	2	0·09	2	- 26	Renfrew ..	1·6	—	17	2	20	—	—	—	—
p Rothesay	200	52	17th	36	18th	48·4	40·1	44·3	+ 4·3	4	0·95	24	- 4	Rothesay ..	1·9	—	20	1	28	42·0	—	42·3	+0·5
a Kilmarnock	90	52	14th	30	18th	49·3	39·1	44·2	+ 5·5	2	0·78	20	- 1	Kilmarnock ..	1·4	—	14	—	—	40·5	—	42·5	—
a Colmonell	170	53	14th	30	18th	49·1	39·0	44·1	+ 5·2	3	0·04	1	- 25	Colmoneil ..	—	—	—	1	26	—	—	—	—
p Dumfries	160	53	16th	30	18th	48·6	39·3	44·0	+ 5·1	1	0·02	0·4	- 21	Dumfries ..	1·2	—	12	1	22	40·7	+2·4	41·8	+1·6
a Eskdalemuir	794	50	15, 16	23	19th	46·1	34·0	40·1	—	1	0·17	4	—	Eskdalemuir ..	1·7	—	18	1	19	—	—	—	—
b, I. OF MAN p Douglas	284	52	16th	35	18th	48·1	41·9	45·0	+ 4·2	2	0·06	2	- 21	Douglas	2·4	- 0·2	25	1	29	—	—	—	—
2. ENGLAND, N.E																							
a North .. a Alnwick Castle ..	210	55	16th	35	18th	49·8	41·0	45·4	+ 6·8	0	0·00	0	- 12										
a Tynemouth	118	54	16th	38	18, 19	48·4	40·9	44·7	+ 5·5	0	0·00	0	- 9	Cockle Park ..	1·9	- 1·0	20	1	27	40·2	+3·3	40·8	+1·6
p Durham	336	56	16th	33	18th	49·1	38·1	43·6	+ 5·6	0	0·00	0	- 8	Durham ..	2·9	+ 0·5	31	1	20	—	—	—	—
p Rounton	249	55	16th	30	18th	48·3	36·6	42·5	+ 4·5	1	0·01	0·3	- 10	Rounton ..	—	—	—	4	19	39·7	—	—	—
a West Witton	605	52	16, 17	34	18th	47·4	32·3	43·4	—	1	0·01	0·3	—	West Witton ..	—	—	—	1	27	39·3	—	41·1	—
p Scarborough	118	56	16, 17	40	15, 18, 19	51·4	41·7	46·6	+ 6·9	0	0·00	0	- 11	Scarborough† ..	2·8	+ 0·3	29	—	—	—	—	42·9	—
p York	56	57	16th	35	18th	49·6	40·1	44·9	+ 5·7	0	0·00	0	- 9	York	2·5	+ 0·4	26	—	—	41·6	+3·1	43·1	+2·2
b, South .. a Spurn Head	26	49	16th	36	13, 18	47·3	38·1	42·7	+ 3·5	1	0·01	0·2	- 8	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	58	54	16th	34	18th	49·3	38·7	44·0	+ 5·1	1	0·01	0·3	- 9	Lincoln	—	—	—	2	30	40·7	+3·4	42·6	+2·4
a Fulbeck	180	53	16th	32	18th	47·6	37·0	42·3	+ 3·5	1	0·04	1	- 8	Fulbeck ..	1·4	- 1·5	14	4	26	—	—	—	—
														Skegness ..	2·3	- 0·8	23	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	52	16, 17	34	15th	47·3	37·1	42·2	+ 3·4	3	0·06	1	- 8	Cromer	1·7	- 1·1	18	—	—	—	—	—	—
a Little Massingham ..	277	51	16th	31	15th	46·6	35·7	41·2	+ 2·8	3	0·04	1	- 12	Lit. Massingham	1·2	- 1·2	13	—	—	—	—	—	—
a Yarmouth	13	53	16, 17	34	15th	48·3	38·6	43·5	+ 5·1	2	0·05	1	- 10	Yarmouth ..	2·2	—	23	0	32	43·1	+4·1	44·4	+2·1
a Norwich	93	52	16, 17	34	15th	47·6	39·1	43·4	+ 4·7	2	0·05	1	- 11	Norwich ..	1·8	—	18	2	26	40·0	—	—	—
a Geldeston	37	54	16, 17	31	15th	49·6	36·9	43·3	+ 4·2	1	0·04	1	- 9	Geldeston ..	1·8	- 0·8	18	—	—	—	—	—	—
p Cambridge	41	53	16, 17	29	15th	49·0	37·3	43·2	+ 4·2	1	0·02	0·4	- 9	Cambridge ..	1·3	- 1·4	13	3	22	41·7	+2·7	44·0	+2·1
a Clacton-on-Sea ..	54	51	14, 16	35	15th	47·7	38·0	42·9	+ 4·3	1	0·02	1	- 8	Clacton	1·2	- 1·7	13	1	29	41·9	+1·6	44·2	+0·9
a Rothamsted	420	51	16th	33	15th	46·6	38·0	42·3	+ 3·9	0	0·00	0	- 13	Rothamsted ..	1·1	- 1·4	12	2	26	40·4	—	—	—
p Tottenham	51	52	14, 17	35	18th	48·6	39·9	44·3	—	0	0·00	0	—	Tottenham ..	1·0	—	10	0	33	—	—	44·3	+1·2
														S'thend-on-Sea	1·3	—	13	0	32	42·2	+3·0	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	53	16th	35	18th	47·4	39·3	43·4	+ 5·7	1	0·01	0·3	- 14	Harrogate ..	3·5	- 0·9	36	1	26	40·9	+2·8	41·7	+2·1
p Sheffield	429	51	16, 17	36	18th	47·4	41·0	44·2	—	1	0·01	0·2	—	Sheffield.. ..	1·6	- 0·8	16	1	28	40·3	+2·5	41·9	+1·3
p Buxton	987	47	17th	28	18th	43·1	37·3	40·2	+ 4·1	4	0·50	13	- 12	Buxton	1·0	—	10	1	27	39·4	+2·3	41·7	+0·9
b, East .. a Worksop	56	56	16, 17	30	18th	50·6	38·3	44·5	+ 5·5	1	0·01	0·3	- 10	Worksop ..	1·4	- 0·8	14	4	23	41·0	—	42·4	—
a Nottingham	82	53	16, 17	33	18th	48·6	39·0	43·8	+ 4·9	1	0·01	0·2	- 10	Nottingham ..	0·7	- 1·4	7	2	29	41·0	+3·4	41·1	+2·0
p Birmingham, Edgbsn.	525	51	16th	34	18th	47·3	39·6	43·5	+ 4·6	1	0·01	0·2	- 11	Birmingham ..	0·8	- 1·1	8	1	25	42·0	+2·1	44·7	+1·3
a Raunds	203	54	16th	28	18th	48·4	37·3	42·9	+ 4·6	0	0·00	0	- 10	Raunds	1·3	—	13	1	24	41·2	—	—	—
p Oxford	208	54	16th	31	18th	49·0	37·9	43·5	+ 3·8	0	0·00	0	- 11	Oxford	1·6	- 0·9	16	3	25	—	—	—	—
														Malvern	2·4	—	24	1	29	41·5	—	43·0	—
c, West .. a Cheadle (N. Staffs.) ..	646	49	17th	34	18th	45·0	39·3	42·2	+ 4·4	1	0·03	1	- 13	Cheadle	—	—	—	0	32	—	—	—	—
p Tenbury	313	55	16, 17	30	18th	49·9	38·1	44·0	+ 4·1	0	0·00	0	- 9	Tenbury	—	—	—	3	25	41·7	—	—	—
a Hereford	291	55	16th	31	18th	49·3	38·4	43·9	+ 4·5	0	0·00	0	- 13	Ross-on-Wye ..	2·0	—	20	2	24	41·7	—	43·6	—
a Clifton	226	53	16th	36	18th	47·1	39·4	43·3	+ 2·8	0	0·00	0	- 16	Clifton	2·2	—	22	1	30	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	55	16th	27	18th	48·6	34·6	41·6	+ 3·0	0	0·00	0	- 17	Worthing	1·8	- 1·4	18	1	27	41·8	+1·0	44·9	+1·3
a Wisley, Surrey ..	150	53	16th	31	18th	48·4	37·1	42·8	+ 3·3	1	0·01	0·3	- 12	Marlborough ..	1·6	- 0·6	16	3	21	42·0	—	45·0	—
a Tunbridge Wells ..	354	52	16th	32	15th	48·0	37·6	42·8	+ 3·7	1	0·01	0·3	- 16	Wisley	0·8	- 1·6	8	2	17	41·7	+2,2	44·0	+1·9
a Margate	51	50	16th	37	15th	46·9	40·9	43·9	+ 3·7	1	0·01	0·2	- 10	Tunbridge Wells	0·8	- 1·9	8	2	23	41·7	+4 3	43·9	—
														Margate	1·1	- 1·6	11	0	34	42·6	+1·8	44·2	+1·5
a Dungeness	21	53	16th	32	15th	49·9	37·3	43·6	+ 3·6	1	0·01	0·3	- 11	Folkestone ..	1·0	—	10	—	—	—	—	46·4	—
p St. Leonards	178	54	16th	36	15, 19	48·9	39·4	44·2	+ 3·8	1	0·02	0·4	- 14	St. Leonards ..	1·8	- 1·3	18	0	31	42·1	—	44·7	—
p Southampton	64	53	16, 17	29	15th	49·9	37·0	43·5	+ 2·1	0	0·00	0	- 16	Southampton ..	1·3	- 1·6	13	3	19	—	—	—	—
a Ventnor	59	55	16th	38	13, 15	50·0	40·9	45·5	+ 3·7	0	0·00	0	- 14	Ventnor	2·0	- 1·2	20	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	53	16th	34	19th	48·6	37·8	43·2	+ 3·0	0	0·00	0	- 11	Richmond ..	0·7	- 1·5	7	2	23	41·0	+1·6	44·1	+1·3
a Westminster	27	54	16th	35	15th	49·3	39·9	44·6	+ 3·8	0	0·00	0	- 10	Westminster ..	0·5	- 1·0	5	2	29	—	—	—	—
ag Greenwich	149	53	16th	32	18th	48·7	38·4	43·6	+ 4·2	1	0·01	0·3	- 9	Greenwich ..	0·3	- 1·8	3	2	24	—	—	—	—
a Hampstead	450	53	16th	35	15th	47·4	38·4	42·9	—	0	0·00	0	—	Hampstead ..	1·0	—	10	3	28	—	—	—	—
ag Camden Square ..	110	55	16th	34	15, 18	49·7	38·7	44·2	+ 4·1	0	0·00	0	- 11	Camden Square	—	—	—	2	28	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	17th	33	18th	46·4	38·4	42·4	+ 3·8	1	0·02	0·4	- 19	Aspatria.. ..	2·6	0·0	27	2	28	40·9	+1·3	42·5	0·0
p Newton Rigg	559	52	16th	26	18th	47·1	37·7	42·4	+ 5·3	0	0·00	0	- 20	Newton Rigg ..	1·8	- 0·6	19	1	20	—	—	—	—
p Stonyhurst	375	49	16th	31	18th	46·7	39·9	43·3	+ 4·8	3	0·37	9	- 12	Stonyhurst ..	2·2	- 0·1	22	1	28	—	—	—	—
a Blackpool	66	50	18th	30	18th	47·3	40·9	44·1	+ 4·8	3	0·04	1	- 13	Blackpool ..	2·3	- 0·5	24	1	26	42·3	—	44·1	—
a Southport	37	48	16-18	30	18th	46·4	39·3	42·9	+ 3·3	1	0·01	0·2	- 13	Southport ..	1·6	- 1·1	16	1	27	40·8	+2·9	41·6	+1·8
														Hoylake ..	1·6	- 1·0	16	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	49	15, 17	35	18, 19	47·1	40·4	43·8	+ 3·9	1	0·04	1	- 10	Liverpool ..	1·6	—	16	1	28	—	—	—	—
a Hawarden Bridge ..	22	52	17th	35	18th	48·9	42·1	45·5	+ 4·8	3	0·06	2	- 7	Manchester(City)	0·5	- 1·0	5	0	34	41·1	+2·8	43·4	+1·5
p Manchester (Whit. Pk.)	125	50	17th	34	18th	48·0	40·6	44·3	+ 4·1	1	0·04	1	- 11	Whitworth Park	0·5	- 1·0	5	—	—	—	—	—	—
c, NORTH WALES.																							
p Llanduduno	22	50	17th	32	18th	47·7	41·9	44·8	+ 3·1	1	0·03	1	- 12	Llandudno ..	1·9	- 0·8	19	—	—	—	—	—	—
a Holyhead	10	53	18th	38	19th	49·4	43·0	46·2	+ 4·7	1	0·01	0·2	- 15	Holyhead ..	1·8	—	18	0	31	—	—	—	—
a Aberdovey	60	53	14th	37	18th	49·0	42·4	45·7	—	1	0·04	1	—	Aberdovey ..	1·7	- 1·1	18	—	—	—	—	—	—

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average.
a. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	16	48	18th	32	19th	46·4	40·3	43·4	—	1	0·02	1	—	Aberystwyth ..	2·2	- 0·4	22	—	—	—	—	—	—
a Rhayader	757	50	16th	28	18th	46·6	38·0	42·3	—	1	0·01	0·2	—	Rhayader ..	1·7	—	17	2	19	—	—	—	—
a St. Ann's Head ..	149	51	14th	40	18, 19	48·4	42·4	45·4	+ 3·0	1	0·04	1	- 17	St. Ann's Head ..	1·3	- 1·5	13	—	—	—	—	—	—
p Cardiff	202	55	16th	34	18th	49·4	39·9	44·7	+ 4·5	0	0·00	0	- 20	Cardiff	2·4	—	25	2	23	42·1	+ 2·1	44·8	+ 2·1
b, ENGLAND, S.W.																							
a Bath	66	54	16th	32	15, 18	49·7	38·7	44·2	+ 3·7	0	0·00	0	- 14	Bath	1·8	- 0·9	19	—	—	42·4	+ 2·7	45·2	+ 2·5
a Shaftesbury	722	52	16th	34	15th	47·4	36·1	41·8	+ 3·0	0	0·00	0	- 16	Shaftesbury ..	—	—	—	—	—	40·8	—	43·8	—
a Arlington	613	50	18th	35	18th	47·4	39·7	43·6	+ 3·8	0	0·00	0	- 26										
a Newquay	190	50	14–17	35	18th	48·2	40·3	44·3	+ 0·8	0	0·00	0	- 17	Newquay ..	0·9	- 2·0	9	0	32	45·3	—	47·4	—
a Cullompton	202	55	16th	31	18th	50·9	37·7	44·3	+ 3·5	0	0·00	0	- 19	Cullompton ..	1·4	- 1·1	14	3	23	43·2	—	—	—
a Portland Bill	19	52	16th	35	13th	49·7	39·7	44·7	+ 2·4	0	0·00	0	- 13	Weymouth ..	1·2	—	12	—	—	—	—	—	—
p Plymouth	116	57	17th	37	15th	50·9	41·1	46·0	+ 3·3	0	0·00	0	- 19	Plymouth ..	1·3	- 1·6	13	1	30	42·5	+ 0·2	46·6	—
a Falmouth	167	52	14, 17	34	13th	49·7	39·6	44·7	+ 1·1	0	0·00	0	- 25	Falmouth ..	0·5	- 2·6	5	1	26	44·8	—	47·3	—
9. IRELAND, N.																							
a West .. a Malin Head	208	50	17th	40	19th	47·7	44·1	45·9	+ 5·3	4	0·24	6	- 8	Malin Head ..	1·1	—	11	—	—	—	—	—	—
a Blacksod Point ..	10	52	14, 17	41	19th	49·6	45·0	47·3	+ 5·2	1	0·02	0·4	- 23	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle ..	0·3	- 2·1	3	0	31	44·1	+ 3·2	44·9	+ 1·4
p Markree Castle ..	122	51	13, 14, 17	38	18, 19	49·4	41·7	45·6	+ 5·6	2	0·12	3	- 17										
b, East .. p Armagh	204	55	14th	34	18th	49·9	40·3	45·1	+ 5·3	1	0·02	0·4	- 13	Armagh	1·2	- 1·2	13	2	29	43·0	+ 2·8	44·2	+ 1·6
a Donaghadee	35	52	13, 16	42	13, 17	49·9	43·3	46·6	+ 6·0	1	0·04	1	- 12										
10. IRELAND, S.																							
p Dublin, City	54	52	17th	37	18th	49·3	42·3	45·8	+ 3·7	1	0·01	0·3	- 12	Trinity Coll. ..	0·2	—	2	0	31	44·1	+ 2·8	45·6	+ 2·1
a Birr Castle	175	51	14th	30	18th	48·0	37·6	42·8	+ 2·4	2	0·12	3	- 12	Phœnix Park ..	0·3	- 2·4	3	2	27	—	—	—	—
a Kilkenny	195	52	14th	34	18, 19	48·9	39·6	44·3	+ 3·5	1	0·02	0·4	- 16	Dublin City ..	—	—	—	0	31	—	—	—	—
a Waterford	137	56	15th	37	18th	50·9	41·4	46·2	+ 4·1	0	0·00	0	- 20	Birr Castle ..	0·2	- 2·3	2	3	25	—	—	—	—
p Seskin, Carrick-on-Suir	542	53	15, 17	34	18th	48·9	40·1	44·5	—	1	0·01	0·2	—	Seskin	0·8	—	8	2	28	—	—	—	—
a Cahir	199	53	19th	36	18th	49·6	39·9	44·8	+ 3·8	1	0·01	0·3	—										
a Foynes	50	52	14th	30	18th	48·7	40·9	44·8	+ 2·6	0	0·00	0·1	- 20										
a Cahirciveen (Val. Obs.)	30	51	14, 16, 18	42	13th	50·0	44·9	47·5	+ 3·5	0	0·00	0	- 33	Cahirciveen ..	0·2	- 2·4	2	0	40	—	—	—	—
a Killarney	174	55	15th	40	13th	50·9	43·1	47·0	+ 4·3	1	0·01	0·3	- 33	Ballinacurra ..	0·5	- 2·3	5	—	—	—	—	—	—
a Roche's Point	32	52	14, 17	39	18, 19	49·9	42·6	46·3	+ 3·0	0	0·00	0·1	- 23										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	16th	43	14, 18	50·4	44·3	47·4	+ 2·0	2	0·05	1	- 17	Scilly	0·7	- 2·5	7	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	52	17th	33	13th	49·3	38·6	44·0	+ 0·8	0	0·00	0	- 18	St. Heliers ..	1·4	- 2·1	14	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	53	15th	38	15th	49·3	42·6	46·0	+ 2·3	0	0·00	0	- 19	Guernsey† ..	1·3	- 1·9	13	2	23	44·0	+ 0·8	46·5	+ 1·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 19th, 1921.

DISTRICT AND STATION;	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m./s..			
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	15, 17	2	12 to 17	69	55	36	6	0	250	18	15	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	17	121	30	0	330	8	17	13	19	17	14	25
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	17	1	47	92	28	0	300	11	17	14	—	—	—	—
Edinburgh	485	39	51	—	0	15	16	94	41	17	0	270	16	15	16	25	15	17	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	13	1	13 to 15	28	51	45	40	3	300	17	13	10	27	13	13	20
Paisley	188	81	15	—	0	—	0	60	68	40	0	260	11?	15	12	22	15	18	0
																	15	12	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	25	84	59	0	270	11	15	13	21	15	18	0
South Shields	72	61	12	—	0	15	7	60	77	24	0	280	14	15	12	23	15	12	15
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	0	—	0	44	120	4	0	340	9	14	13	14	15	22	40
Shoeburyness	103	90	‡‡	—	0	—	0	19	132	17	0	270	7	16	10	12	16	5	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	7	112	49	0	340	7	14	11	12	14	11	5
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	4	64	100	0	—	7	16	1	12	16	0	15
Larkhill, S'y Plain ..	513	63	43	—	0	15	4	59	103	2	0	300	13	15	15	17	15	15	30
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	1	116	51	0	80	6	19	20	10	15	16	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	13, 15 to 17	10	83	64	11	0	280	13	17	16	—	—	—	—
Southport	80	62	48	—	0	13 to 16	26	87	51	4	0	250	14	16	1	18	15	19	50
Holyhead	60	40	‡	—	0	15, 16	9	91	57	11	0	250	13	15	23	18	15	20	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	18, 19	15	23	54	76	0	90	11	19	12	15	18	22	40
Plymouth	185	88	2	—	0	—	0	4	118	46	0	—	6	19	16	12	19	16	25
Lyme Regis	556	61	‡	—	0	—	0	0	14	154	0	—	3	15	15	8	15	13	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	14 to 16	19	66	73	10	0	240	17	15	12	—	—	—	—
Quilty	100	40	‡‡	—	0	15	1	76	85	6	0	—	11	15	19	15	15	15	0
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	0	—	0	21	99	48	0	240	8	15	12	11	19	11	30
Weaver Pt.	160	30	‡‡‡	—	0	—	0	32	128	8	0	—	10	19	12	16	15	14	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	—	0	33	93	42	0	100	9	19	21	14	19	19	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.

¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTH WEEK of 1921—February 13th to February 19th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	28	81·8	76·6	79·2	+ 2·9	22	+ 14	10	−28	4	− 1	0·99	25	− 6	0·8	−1·3	9	1018
Eastern.																			
1. SCOTLAND, EAST ...	57	23	82·3	76·3	79·3	+ 3·2	27	+ 18	11	−33	1	− 3	0·05	1	− 13	3·0	+0·3	32	1020
2. ENGLAND, N.E.	57	30	82·4	76·9	79·7	+ 2·9	27	+ 16	8	−25	1	− 3	0·01	0	− 9	2·3	−0·3	24	1023
3. ENGLAND, EAST ...	54	29	81·8	76·2	79·1	+ 2·4	24	+ 11	12	−24	1	− 3	0·03	1	− 10	1·5	−1·2	15	1024
4. MIDLAND COUNTIES ...	56	28	82·1	76·7	79·4	+ 2·6	24	+ 10	9	−28	1	− 3	0·01	0	− 12	1·7	−0·7	17	1025
5. ENGLAND, S.E.	55	27	82·3	76·4	79·4	+ 1·8	27	+ 12	11	−17	1	− 3	0·01	0	− 14	1·3	−1·5	13	1025
Western.																			
6. SCOTLAND, WEST ...	53	30	82·1	77·3	79·7	+ 2·6	24	+ 13	6	−25	3	− 2	0·45	11	− 16	1·9	−0·3	20	1023
7. ENGLAND, N.W.	53	26	81·7	77·7	79·7	+ 2·4	20	+ 8	4	−24	1	− 3	0·07	2	− 13	2·0	−0 5	20	1026
8. ENGLAND, S.W.	57	28	82·4	77·1	79·8	+ 1·6	27	+ 9	8	−15	0	− 4	0·00	0	− 20	1·4	−1·3	14	1027
9. IRELAND, NORTH ...	55	30	82·5	78·6	80·6	+ 2·9	25	+ 9	0	−25	2	− 3	0·09	2	− 15	0·8	−1·6	8	1025
10. IRELAND, SOUTH ...	56	30	82·8	78·2	80·5	+ 1·9	27	+ 5	2	−17	1	− 3	0·02	1	− 20	0·3	−2·3	3	1028
11. ENGLISH CHANNEL ...	53	33	82·8	78·4	80·7	+ 0·9	27	+ 2	1	− 8	1	− 4	0·01	0	− 19	1·1	−2·2	11	1026
MEAN: DISTRICTS 1-10 ...	57	28	82·2	77·1	79·7	+ 2·4	25	+ 11	7	−23	1	− 3	0·07	2	− 14	1·6	−0·9	17	1025

THE SEASON (Winter).—Aggregates, &c., for the Period of 12 Weeks, November 28th, 1920, to February 19th, 1921.

0. SCOTLAND, NORTH ...	56	17	80·2	74·9	77·6	+ 1·0	139	+ 46	280	−114	56	− 7	15·77	400	− 6	0·7	−0·2	10	1010
Eastern.																			
1. SCOTLAND, EAST ...	57	11	79·6	73·9	76·9	+ 0·8	102	+ 11	390	− 83	49	0	7·95	201	+ 12	1·7	+0·2	23	1012
2. ENGLAND, N.E.	58	15	80·8	75·6	78·3	+ 1·4	196	+ 83	238	−140	48	+ 2	5·82	149	+ 13	1·2	−0·3	15	1014
3. ENGLAND, EAST ...	58	4	81·1	75·7	78·3	+ 1·5	238	+112	240	−163	51	+ 2	4·87	123	− 16	1·3	−0·4	16	1017
4. MIDLAND COUNTIES ...	60	−1	80·8	75·7	78·3	+ 1·5	219	+ 83	257	−166	43	− 6	5·72	145	− 19	1·0	−0·5	12	1017
5. ENGLAND, S.E.	57	13	81·4	76·7	79·1	+ 1·4	280	+103	178	−130	49	+ 2	5·97	152	− 29	1·1	−0·6	13	1018
Western.																			
6. SCOTLAND, WEST ...	55	20	80·7	75·8	78·4	+ 1·0	183	+ 49	223	− 88	59	+ 1	13·80	352	+ 11	1·1	−0·2	14	1014
7. ENGLAND, N.W.	60	19	81·1	76·4	78·8	+ 1·2	231	+ 89	195	−106	50	− 2	8·36	211	− 16	1·3	−0·1	16	1015
8. ENGLAND, S.W.	58	15	81·6	77·0	79·4	+ 0·9	304	+ 86	170	− 60	48	− 6	9·07	231	− 53	1·4	−0·3	17	1017
9. IRELAND, NORTH ...	57	21	81·8	76·4	80·0	+ 2·0	285	+113	169	− 97	55	− 6	9·03	229	− 22	1·4	−0·1	17	1012
10. IRELAND, SOUTH ...	60	16	82·3	76·9	79·7	+ 0·8	342	+ 84	163	− 44	54	− 4	10·70	271	− 13	1·5	−0·2	18	1015
11. ENGLISH CHANNEL ...	57	28	82·8	79·3	81·1	+ 0·8	434	+ 90	49	− 31	59	− 1	7·21	182	− 62	1·4	−0·7	17	1018
MEAN: DISTRICTS 1-10 ...	60	−1	81·1	76·0	78·7	+ 1·3	238	+ 81	222	−108	51	− 2	8·13	206	− 13	1·3	−0·3	16	1015

THE YEAR 1921.—Aggregates, &c., for the Period of 7 Weeks, January 2nd to February 19th, 1921.

0. SCOTLAND, NORTH ...	56	23	80·4	74·9	77·8	+ 1·5	88	+ 42	158	− 94	35	− 1	10·69	272	+ 45	0·9	−0·2	12	1009
Eastern.																			
1. SCOTLAND, EAST ...	57	15	80·3	74·2	77·3	+ 1·4	69	+ 21	203	− 91	27	− 1	4·33	109	+ 8	1·8	+0·1	23	1012
2. ENGLAND, N.E.	58	22	81·3	75·8	78·7	+ 2·2	131	+ 71	119	−122	22	− 4	2·45	63	− 6	1·4	−0·4	16	1015
3. ENGLAND, EAST ...	58	23	81·7	76·0	79·0	+ 2·6	157	+ 93	104	−155	22	− 6	1·85	47	− 25	1·6	−0·4	19	1018
4. MIDLAND COUNTIES ...	59	23	81·4	76·3	78·9	+ 2·4	134	+ 62	105	−161	21	− 7	2.30	59	− 26	1·1	−0·6	13	1018
5. ENGLAND, S.E.	56	24	81·9	77·0	79·5	+ 2·2	162	+ 76	71	−133	24	− 3	2·39	61	− 30	1·3	−0·6	14	1019
Western.																			
6. SCOTLAND. WEST ...	53	21	81·1	76·1	78·7	+ 1·6	117	+ 50	107	− 94	34	0	8·22	209	+ 27	1·3	−0·2	16	1014
7. ENGLAND, N.W.	60	20	81·5	76·9	79·3	+ 2·1	143	+ 73	75	−120	27	− 2	4·95	125	+ 7	1·4	−0·2	16	1016
8. ENGLAND, S.W.	57	22	82·1	77·6	79·9	+ 1·8	182	+ 72	57	− 99	26	− 4	3·89	99	− 43	1·4	−0·5	16	1019
9. IRELAND, NORTH ...	56	25	82·3	77·2	79·8	+ 2·0	188	+ 94	65	−104	32	− 3	4·97	126	− 10	1·3	−0·3	15	1013
10. IRELAND, SOUTH ...	60	25	82·9	77·7	80·3	+ 1·7	223	+ 83	58	− 74	33	0	5·32	135	− 17	1·3	−0·6	15	1017
11. ENGLISH CHANNEL ...	56	32	83·0	79·5	81·3	+ 1·5	254	+ 85	17	− 44	32	− 2	2·91	74	− 46	1·6	−0·8	18	1020
MEAN: DISTRICTS 1-10 ...	60	15	81·7	76·5	79·1	+ 2·0	151	+ 70	96	−115	27	− 3	4·07	103	− 12	1·4	−0·4	17	1016
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
25th February, 1921.

METEOROLOGICAL OFFICE
5 - MAR 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) No. 8.

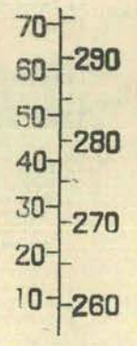
EIGHTH WEEK.

SUNDAY, FEBRUARY 20TH, TO SATURDAY, FEBRUARY 26TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Atmospheric conditions over the British Isles were again anticyclonic and fine weather prevailed generally. On Friday, however, there was a temporary break in the weather, due to a trough of low pressure moving eastwards across our Islands, when rain fell in most parts of the country. On Saturday an extensive anticyclone was centred off the south-west of Ireland and the pressure recorded at Valencia Observatory was no less than 1048 mb. (30·95 inches). The winds were mainly easterly or south-easterly and light or moderate in force. The mean temperature of the week was again above the normal in all districts and several abnormally high readings were recorded in different parts of the country. The highest of the maxima were generally on the 23rd or 24th, when readings of 290 a were registered at many stations, including London, but on the first day of the period there were several stations in Scotland and the north-east of England at which the temperature did not rise above 276 a. Screen minima of 267 a were recorded at Balmoral and Eskdalemuir on the 21st and 268 a at several stations in England on the following day; while the lowest readings on the grass, also on the 21st, were 262 a at Wisley and 264 a at Rounton (Yorks) and Rhayader (Radnor). Rainfall was considerably below the normal in all districts; the heaviest falls on Thursday were 15mm. at Glencarron, 13mm. at Fort William and Waterford, the heaviest on Friday were 22mm. at Clacton and 20mm. at Shoeburyness. The sunniest days of the week were Monday and Saturday when records of between 9 and 10 hours were obtained at many stations spread over various parts of the country; the daily mean for the week was in excess of the normal in all districts with the exception of Scotland W. and Ireland S. The Zodiacal Light was observed at Oxford on the 23rd, Tenby on the 26th and at Ross-on-Wye on the 25th and 26th.



Temperature Scales.

For the winter season (13 weeks from November 28th, 1920) the average temperature has been well above the normal in all parts of the British Isles. Rainfall for the same period was decidedly less than the normal except in Scotland E. and W. and England N.E., while bright sunshine was slightly deficient in most districts.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	5·8	16	3·4	15	2·0	4	4·0	17	3·0	—	—	16	4·2	13	3·0
North	3	2·9	1	0·3	10	3·2	13	2·8	8	4·9	—	—	3	3·4	9	4·8
West	14	2·7	13	4·7	2	1·3	0	—	9	2·1	—	—	9	5·0	10	1·5
East	10	2·5	3	0·8	21	3·2	14	2·9	7	1·7	—	—	14	1·7	13	2·0
Calm	2	—	7	—	2	—	11	—	3	—	—	—	5	—	5	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		Districts of the British Isles											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Very unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Light	Light	Moderate	Light	Light
	Sunshine ..	Moderate	Moderate	Moderate	Very abundant	Abundant	Very abundant	Moderate	Abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
WINTER. 13 weeks from November 28th, 1920.	Warmth ...	7, 5, 1	7, 4, 2	7, 5 1	9, 3 1	8, 4, 1	9, 2, 2	7, 4, 2	8, 3, 2	9, 1, 3	9, 2, 2	9, 1, 3	7, 3, 3
	Rainfall ...	4, 5, 4	5, 4, 4	4, 3, 6	2, 8 3	2, 6, 5	4, 3, 6	6, 2 5	5, 3, 5	3, 5, 5	4, 5, 4	4, 4, 5	2, 5, 6
	Sunshine ...	2, 6, 5	6, 5, 2	1, 7, 5	2, 4, 7	1, 5, 7	2, 5, 6	2, 9, 2	2, 9, 2	2, 6, 5	4, 7, 2	1, 8, 4	1, 5, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32324—19) Wt. 24—561/P25 500 3/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from Average
	Ft.	°F		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr	hr.	%		°F.	°F.	°F	°F.	°F.
0. SCOTLAND, N.																							
a. Islands .. a Lerwick ..	54	49	24, 25	36	26th	46·7	39·0	42·9	+ 4·8	3	0·75	19	+ 2										
p Deerness, Orkney	165	48	23, 24	38	20, 21, 26	46·0	39·6	42·8	+ 4·3	3	0·79	20	+ 4	Deerness	2·8	+ 0·5	29	—	—	—	—	—	—
a Stornoway	31	49	23, 26	36	26th	47·3	40·1	43·7	+ 4·6	5	0·71	18	- 5	Stornoway	2·1	- 0·4	21	—	—	—	—	—	—
a Castlebay, Barra I.	37	49	26th	39	25th	46·7	42·0	44·4	—	5	0·40	10	—	Castlebay	1·3	—	13	—	—	—	—	—	—
b. Mainland. a Wick	81	49	26th	33	20th	46·0	36·4	41·2	+ 3·2	3	0·47	12	0										
a Strathpeffer	125	50	22, 23, 26	28	21, 22	46·7	31·4	39·1	+ 1·3	2	0·43	11	- 3										
p Glencarron	500	54	21st	28	21st	46·7	36·6	41·7	+ 4·5	5	1·61	41	0										
a Fort Augustus	6	54	21, 22	27	21st	48·7	33·1	40·9	+ 2·9	2	0·38	10	- 11										
p Fort William	171	52	21, 22	28	21st	48·3	36·7	42·5	+ 3·4	5	1·13	29	- 9										
1. SCOTLAND, E.																							
a Nairn	82	52	22nd	25	21, 22	47·9	32·4	40·2	+ 2·4	3	0·44	11	0	Nairn	3·8	—	39	—	—	—	—	—	—
p Gordon Castle	101	54	24th	27	21st	49·6	34·6	42·1	+ 3·3	1	0·24	6	- 6	Gordon Castle	4·2	—	42	—	—	—	—	—	—
a Aberdeen	46	50	24, 26	33	20–22	46·6	35·3	41·5	+ 2·5	2	0·15	4	- 9	Aberdeen	1·5	- 1·3	15	4	27	—	—	41·3	+1·9
a Balmoral	930	54	21st	21	21st	47·0	29 3	38·2	+ 3·6	2	0·11	3	- 13	Balmoral	—	—	—	6	18	—	—	—	—
p Crieff	432	50	26th	27	22nd	44·7	33·6	39·2	+ 0·9	2	0·49	12	- 8	Crathes	2·8	- 0·2	28	4	27	37·4	+1·1	40·3	+2·4
a Dundee	244	51	26th	27	21st	46·7	31·9	39·3	+ 1·5	2	0·24	6	- 5	Dundee	3·2	—	32	6	18	38·4	—	—	—
a Leith	30	51	23rd	30	21, 22	47·3	34·6	41·0	+ 1·3	2	0·20	5	- 4	Leith	—	—	—	3	22	—	—	—	—
p Edinburgh	441	51	21st	29	21st	47·9	35·9	41·9	+ 3·4	2	0·12	3	- 6	Edinburgh	4·0	+ 1·1	40	3	19	—	—	—	—
a West Linton	769	51	22nd	25	21st	46·1	31·6	38·9	+ 3·3	2	0·37	9	—	West Linton	3·0	—	30	5	17	—	—	—	—
p Marchmont	498	54	24th	—	—	47·6	—	—	—	1	0·05	1	- 12	Marchmont	3·6	+ 1·0	36	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	49	21, 22	33	26th	46·9	36·7	41·8	—	5	0·82	21	—	Ford (Argyll)	—	—	—	3	27	40·5	—	41·9	—
r Glasgow Observatory	180	48	23, 24, 26	32	21st	46·1	37·4	41·8	+ 2·5	3	0·72	18	+ 2	Glasgow	1·9	+ 0·2	19	3	27	—	—	—	—
a Renfrew	49	49	23, 24	28	23rd	46·1	33·6	39·9	—	3	0·75	19	—	Renfrew	1·7	—	17	3	16	—	—	—	—
p Rothesay	200	49	26th	33	21, 22	45·0	37·0	41·0	+ 0·9	5	0·57	15	- 7	Rothesay	2·5	—	25	4	27	40·9	—	43·0	+1·1
a Kilmarnock	90	55	21st	30	26th	48·9	35·7	42·3	+ 3·5	3	0·74	19	+ 2	Kilmarnock	2·8	—	28	—	—	40·1	—	42·8	—
a Colmonell	170	51	21st	33	21st	47·9	37·6	42·8	+ 3·7	2	0·48	12	- 9	Colmonell	—	—	—	2	28	—	—	—	—
p Dumfries	160	54	21st	26	21st	48·0	32·3	40·2	+ 1·1	3	0·32	8	- 9	Dumfries	3·4	—	34	4	19	39·5	+0·5	42·0	+1·6
a Eskdalemuir	794	52	21st	21	21st	46·6	28·9	37·8	—	2	0·17	4	—	Eskdalemuir	3·7	—	37	5	17	—	—	—	—
b. I. OF MAN p Douglas	284	49	23, 26	37	20, 21	46·7	39·1	42 9	+ 2·2	2	0·32	8	- 10	Douglas	2·7	- 0·1	26	0	32	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	53	24th	27	23rd	47·4	31·9	39·7	+ 1·2	0	0·00	0·1	- 10										
a Tynemouth	118	54	23rd	25	21st	46·6	34·9	40·8	+ 1·8	1	0·01	0·2	- 7	Cockle Park	0·9	- 2·1	9	3	25	38·1	+0·8	41·1	+1·6
a North .. a Durham	336	52	26th	23	22nd	46·9	31·4	39·2	+ 1·2	1	0·04	1	- 6	Durham	3·3	+ 0·8	33	4	16	—	—	—	—
p Rounton	249	59	24th	26	22nd	49·7	32·1	40·9	+ 3·0	4	0·12	3	- 5	Rounton	—	—	—	6	15	39·7	—	—	—
a West Witton	605	54	23rd	28	23rd	47·0	33·4	40·2	—	2	0·04	1	—	West Witton	—	—	—	4	24	38·5	—	41·3	—
p Scarborough	118	53	23, 24	35	26th	48·1	39·1	43 6	+ 3·9	2	0·10	3	- 6	Scarborough	2·9	+ 0·2	28	—	—	—	—	43·5	—
p York	56	56	23rd	27	22nd	49·4	34·9	42·2	+ 2·9	2	0·09	2	- 6	York	2·9	+ 0·7	28	—	—	41·4	+2·4	43·3	+2·4
a Spurn Head	26	48	26th	32	26th	46·0	37·1	41·6	+ 2·4	2	0·24	6	0	Spurn Head	—	—	—	—	—	—	—	—	—
b. South .. a Lincoln	58	59	24th	30	22nd	51·1	34·7	42·9	+ 3·8	1	0·09	2	- 5	Lincoln	—	—	—	4	25	40·4	+2·6	43·0	+2·7
a Fulbeck	180	59	24th	29	26th	50·7	33·9	42 3	+ 3·3	3	0·30	8	0	Fulbeck	4·3	+ 1·3	42	4	22	—	—	—	—
														Skegness	5·3	+ 2·3	52	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	59	24th	34	21st	51·9	36·6	44·3	+ 5·3	1	0·22	6	0	Cromer	6·3	+ 3·2	62	—	—	—	—	—	—
a Little Massingham	277	60	24th	30	21, 22	52·3	33·3	42·8	+ 4·0	4	0·36	9	0	Lit. Massingham	5·6	+ 2·8	54	—	—	—	—	—	—
a Yarmouth	13	48	24th	38	25, 26	46·0	39·7	42·9	+ 4·2	1	0·12	3	- 4	Yarmouth	6·6	—	64	0	32	43·1	+3·7	45·0	+2·4
a Norwich	93	58	24th	32	22nd	51·6	34·7	43·2	+ 4·1	2	0·10	3	- 5	Norwich	6·0	—	59	6	22	38·3	—	—	—
a Geldeston	37	55	22, 24	32	25th	51·1	34·6	42·9	+ 3·6	2	0·07	2	- 5	Geldeston	5·7	+ 2·8	56	—	—	—	—	—	—
p Cambridge	41	61	24th	27	21st	54·0	33·3	43·7	+ 4·4	1	0·23	6	0	Cambridge	6·1	+ 3·1	59	7	20	42·2	+2·5	44·1	+2·0
a Clacton-on-Sea	54	50	24th	35	20th	47·4	39·7	43·6	+ 4·7	1	0·87	22	+ 16	Clacton	6·8	+ 3·6	66	1	30	42·8	+2·0	45·0	+1·5
a Rothamsted	420	58	24th	30	22nd	51·0	34·9	43·0	+ 4·3	4	0·13	3	- 6	Rothamsted	5·9	+ 3·1	57	6	17	40·0	—	—	—
p Tottenham	51	60	24th	32	22nd	53·3	36·7	45·0	—	2	0·24	6	—	Tottenham	3·9	—	38	0	31	—	—	44·5	+1·3
														S'thend-on-Sea	6·9	—	67	0	33	43·2	+3·2	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	53	23rd	31	23rd	46·6	34·6	40·6	+ 3·1	2	0·07	2	- 9	Harrogate	2·3	- 0·5	23	3	25	40·6	+2·2	41·9	+2·2
a Sheffield	429	57	23rd	30	22nd	48·3	35·9	42·1	—	3	0·28	7	—	Sheffield	2·7	+ 0·2	27	2	24	39·0	+0·7	42·0	+1·4
p Buxton	987	54	23rd	26	22nd	47·4	32·4	39·9	+ 4·1	2	0 23	6	- 14	Buxton	3·6	—	36	5	21	38·6	+1·0	41·8	+1·1
a Worksop	56	59	24th	25	22nd	51·1	30·3	40·7	+ 1·9	1	0·16	4	- 4	Worksop	3·0	+ 0·6	30	6	18	40·3	—	42·8	—
a Nottingham	82	60	24th	27	22nd	50·1	32·0	41·1	+ 2·4	2	0·32	8	0	Nottingham	3·9	+ 1·5	38	4	24	39·1	+0 8	41·6	+2·2
b. East .. p Birmingham, Edgbsn	525	58	23, 24	30	22nd	51·7	35·4	43·6	+ 5·0	1	0·15	4	- 5	Birmingham	4·0	+ 2·0	39	3	19	41·3	+1·1	44·8	+1·4
a Raunds	203	60	24th	24	22nd	52·1	31·3	41·7	+ 3·4	3	0·34	9	+ 1	Raunds	4·8	—	46	5	22	40·9	—	—	—
p Oxford	205	60	24th	27	21st	53·9	34·0	44·0	+ 4 5	3	0·54	14	+ 6	Oxford	5·7	+ 2·9	55	5	21	—	—	—	—
														Malvern	5·1	—	49	2	24	40·9	—	—	—
a Cheadle (N. Staffs.)	640	55	23rd	29	22nd	48·0	35·4	41·7	+ 4·1	2	0·20	5	- 6	Cheadle	—	—	—	3	22	—	—	43·4	—
c. West .. p Tenbury	313	58	23rd	24	21, 22	50·6	30·1	40·4	+ 0·7	2	0·31	8	+ 1	Tenbury	—	—	—	7	20	41·0	—	—	—
a Hereford	291	59	23rd	24	21st	49·6	31·9	40·8	+ 1·5	3	0·19	5	- 5	Ross-on-Wye	4·2	—	40	5	19	40·7	—	43·9	—
a Clifton	225	57	23rd	33	21, 22	50·7	37·0	43·9	+ 3·7	2	0·28	7	- 5	Clifton	4·3	—	42	3	27	—	—	—	—
5. ENGLAND, S.E.														Worthing	6·6	+ 3·0	63	0	31	41·9	+0·7	44·9	+1·1
a Marlborough	424	58	24th	29	22nd	51·7	33·1	42·4	+ 3·9	3	0·44	11	- 1	Marlborough	5·5	+ 3·1	54	5	21	42·1	—	45·2	—
a Porton	340	62	23rd	30	21, 22	54·0	34·0	44·0	—	2	0·26	7	—	Porton	—	—	—	3	21	—	—	—	—
a Wisley, Surrey	150	61	24th	26	21, 22	54·1	31·7	42·9	+ 3·4	3	0·35	9	0	Wisley	6·1	+ 3·4	59	7	13	41·2	+1·1	42·5	+0·2
a Tunbridge Wells	354	59	24th	33	20th	54·6	36·7	45·7	+ 6·6	1	0·65	17	+ 5	Tunbridge Wells	6·7	+ 3·7	65	6	32	42·4	+4·0	44·0	—
a Margate	51	60	24th	37	21st	52·4	40·7	46·6	+ 6·5	1	0·22	6	- 1	Margate	6·0	+ 2·9	58	0	32	42·6	+1·4	44·8	+1·8
a Dungeness	21	51	22, 24	39	20, 21	48·7	41·1	44·9	+ 5·1	1	0·20	5	- 3	Folkestone	6·2	—	61	—	—	—	—	46·0	—
p St. Leonards	175	53	24th	35	20th	50·4	40·0	45·2	+ 4·9	2	0·33	9	- 1	St. Leonards	7·0	+ 3·6	67	1	30	42·3	—	44·8	—
p Southampton	64	58	22, 23	32	21st	54·0	36·6	45·3	+ 4 0	2	0·16	4	- 7	Southampton	6·0	+ 2 9	57	4	20	—	—	—	—
a Ventnor	58	57	23rd	35	26th	52·0	41·4	46 7	+ 4·7	2	0·16	4	- 6	Ventnor	6·4	+ 2·9	61	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	59	23rd	34	22, 23	53·0	35·8	44·4	+ 4·3	1	0·18	5	- 3	Richmond	5·0	+ 2·5	49	5	23	40·6	+0·5	44·2	+1·2
a Westminster	27	62	24th	36	26th	54·9	39·3	47·1	+ 6·3	2	0·21	5	- 3	Westminster	4·5	+ 2·8	44	1	30	—	—	—	—
ag Greenwich	149	62	24th	31	22nd	54·9	36·7	45·8	+ 5·6	2	0·07	2	- 8	Greenwich	5·7	+ 3·4	55	7	23	—	—	—	—
a Hampstead	450	58	24th	33	26th	51·9	37·0	44·5	—	1	0·17	4	—	Hampstead	5·0	—	48	4	29	—	—	—	—
ag Camden Square	110	60	24th	32	22nd	53·9	34·6	44·3	+ 4·2	2	0·16	4	- 5	Camden Square	—	—	—	6	26	—	—	—	—
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	56	21st	29	20th	49·3	34·9	42·1	+ 3·6	1	0·17	4	- 13	Aspatria	4·2	+ 1·4	41	3	24	40·2	-0·2	42·7	+0·1
p Newton Rigg	559	55	25th	27	26th	49·9	31·1	40·5	+ 3·3	0	0·00	0	- 17	Newton Rigg	4·3	+ 1·7	43	4	21	—	—	—	—
p Stonyhurst	375	54	23rd	32	26th	48·4	36·7	42·6	+ 4·2	2	0·24	6	- 13	Stonyhurst	3·9	+ 1·5	39	3	27	—	—	—	—
a Blackpool	66	55	24th	33	21, 22	49·9	37·3	43·6	+ 4·4	2	0·23	6	- 6	Blackpool	4·9	+ 1·8	48	3	28	41·9	—	44·1	—
a Southport	37	56	23rd	29	21st	50·3	35·7	43·0	+ 3·5	2	0·28	7	- 5	Southport	4·6	+ 1·6	45	3	22	39·3	+0·7	42·0	+1·8
														Hoylake	4·7	+ 1·9	46	—	—	—	—	—	—
a Liverpool (Bidston)	28	54	23rd	32	22nd	48·6	36·9	42·8	+ 2·9	2	0·12	3	- 6	Liverpool	4·8	—	47	3	29	—	—	—	—
a Hawarden Bridge	22	57	23rd	32	22nd	49·4	37·1	43·3	+ 2·6	2	0·16	4	- 4	Manchester (City)	2·4	+ 0·7	24	1	29	41·1	+2·3	43·8	+1·9
p Manchester (Whit.) h	12	57	23rd	30	26th	52·6	36·1	44·4	+ 4·3	4	0·28	7	- 4	Whitworth Park	2·3	+ 0·6	23	—	—	—	—	—	—
c. NORTH WALES.																							
p Llandudno	22	57	21, 22	36	20, 21	52·0	39·0	45·5	+ 4·1	1	0·32	8	- 3	Llandudno	4·7	+ 1·7	46	—	—	—	—	—	—
a Holyhead	15	57	21st	32	21st	50·3	38·7	44·5	+ 3·3	2	0·25	6	- 8	Holyhead	5·2	—	51	2	21	—	—	—	—
a Aberdovey	60	58	22nd	35	26th	53·6	41·0	47·3	—	1	0·21	5	—	Aberdovey	5·7	+ 2·7	56	—	—	—	—	—	—

† Earth temperature at 3 feet

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft Mean.	Deviation from average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	
a. SOUTH WALES.																							
a Aberystwyth	16	57	22nd	32	20, 26	51·4	39·6	45·5	—	2	0·25	6	—	Aberystwyth ..	5·8	+ 2·9	57	—	—	—	—	—	—
a Rhayader	757	54	23rd	24	21st	48·3	31·0	39·7	—	2	0·22	6	—	Rhayader ..	4·6	—	45	4	18	—	—	—	—
a St. Ann's Head ..	149	50	23rd	38	20, 21	48·1	41·3	44·7	+ 3·0	2	0·09	2	− 12	St. Ann's Head	4·2	+ 1·0	40	—	—	—	—	—	—
p Cardiff	202	58	23rd	33	22, 26	50·0	36·6	43·3	+ 3·4	2	0·07	2	− 14	Cardiff	4·8	—	47	5	26	44·6	+ 1·0	44·9	+ 2·1
b. ENGLAND, S.W.																							
a Bath	86	59	23rd	30	21st	53·4	36·0	44·7	+ 4·5	2	0·28	7	− 4	Bath	5·3	+ 2·2	51	—	—	42·9	+ 2·5	45·3	+ 2·2
a Shaftesbury	722	55	23rd	33	20, 21, 26	50·7	37·0	43·9	+ 5·3	2	0·37	9	− 3	Shaftesbury ..	—	—	—	—	—	42·7	—	44·0	—
a Arlington	613	56	23rd	32	26th	50·3	38·1	44·2	+ 4·8	1	0·20	5	− 15										
a Newquay	190	55	23rd	37	21st	49·9	41·3	45·6	+ 2·7	2	0·23	6	− 7	Newquay ..	4·4	+ 1·1	42	0	31	45·8	—	47·4	—
a Cullompton	202	57	23rd	29	21st	51·7	34·4	43·1	+ 2·6	2	0·22	6	− 8	Cullompton ..	4·7	+ 1·8	45	4	22	43·1	—	—	—
a Portland Bill	19	52	22-24	36	21st	49·3	40·7	45·0	+ 3·2	2	0·20	5	− 5	Weymouth ..	5·3	—	51	—	—	—	—	—	—
p Plymouth	116	57	23, 24	36	26th	52·3	41·7	47·0	+ 4·8	2	0·21	5	− 10	Plymouth ..	5·1	+ 1·9	49	1	30	43·7	+ 1·0	46·7	—
a Falmouth	187	55	23rd	40	21, 26	50·4	42·4	46·4	+ 3·4	2	0·24	6	− 13	Falmouth ..	3·7	+ 0·2	36	0	33	46·0	—	47·8	—
9. IRELAND, N.																							
a West .. { *a* Malin Head	20	49	21, 23, 24	38	21, 22	47·6	40·7	44·2	+ 2·9	3	0·20	5	− 9	Malin Head ..	3·1	—	31	—	—	—	—	—	—
{ *a* Blacksod Point ..	10	51	22, 26	35	25th	47·4	38·6	43·0	+ 0·3	5	0·32	8	− 16	Mallarany ..	—	—	—	—	—	—	—	—	—
{ *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	2·1	− 0·4	21	3	26	44·0	+ 2·5	45·0	+ 1·5
{ *p* Markree Castle ..	122	53	22nd	31	26th	48·7	37·9	43·3	+ 2·6	4	0·41	10	− 10										
b. East .. { *p* Armagh	204	52	23, 26	31	21st	48·9	36·1	42·5	+ 1·9	2	0·52	13	0	Armagh	3·3	+ 0·8	33	2	21	42·7	+ 2·0	44·5	+ 1·8
{ *a* Donaghadee	35	52	26th	38	26th	48·6	41·4	45·0	+ 3·7	3	0·32	8	− 5										
10. IRELAND, S.																							
p Dublin, City	54	55	21st	35	21, 26	49·9	39·7	44·8	+ 2·5	2	0·32	8	− 4	Trinity Coll. ..	3·0	—	29	1	21	43·9	+ 2·1	45·8	+ 2·1
a Birr Castle	175	52	23rd	30	26th	49·1	37·0	43·1	+ 2·5	3	0·31	8	− 6	Phœnix Park ..	3·3	+ 0·3	33	2	25	—	—	—	—
a Kilkenny	195	53	23rd	31	26th	49·0	38·1	43·6	+ 2·5	3	0·56	14	− 1	Dublin City ..	—	—	—	2	29	—	—	—	—
a Waterford	137	52	24th	33	26th	49·7	39·3	44·5	+ 2·2	3	0·76	19	0	Birr Castle ..	2·1	− 0·7	20	2	23	—	—	—	—
p Seskin, Carrick-on-Suir	542	53	26th	34	21, 26	48·0	38·3	43·2	—	3	0·73	19	—	Seskin	1·9	—	18	2	30	—	—	—	—
a Cahir	198	51	24, 25	35	26th	47·9	38·4	43·2	+ 1·9	5	0·35	9	—										
a Foynes	50	52	22, 23	37	21, 26	50·0	39·1	44·6	+ 2·2	5	0·23	6	− 13										
a Cahirciveen (Val. Obs.)	30	51	22nd	36	26th	48·9	40·7	44·8	+ 0·7	2	0·31	8	− 23	Cahirciveen ..	1·8	− 1·1	18	1	23	—	—	—	—
a Killarney	174	54	26th	34	26th	49·9	39·0	44·5	+ 1·6	4	0·39	10	− 21	Ballinacurra ..	3·2	− 0·1	31	—	—	—	—	—	—
a Roche's Point	32	53	22nd	37	26th	50·9	41·7	46·3	+ 2·9	2	0·17	4	− 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	24th	42	20th	51·7	45·1	48·4	+ 3·3	2	0·06	1	− 13	Scilly	4·3	+ 1·0	42	—	—	—	—	—	—
a Jersey, St. Aubins ..	26	55	22, 23	39	20th	51·9	43·3	47·6	+ 4·4	2	0·39	10	− 3	St. Heliers ..	6·0	+ 2·3	57	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	58	23rd	41	20th	53·2	44·1	48·7	+ 5·0	2	0·20	5	− 9	Guernsey† ..	6·6	+ 3·2	63	1	29	45·2	+ 1·6	46·8	+ 1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 26th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	21, 22, 25	22	59	71	16	0	160	14	22	6	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	6	127	35	0	?	6	21	15	14	22	2	25
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	13	137	18	0	290	7	25	14	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	53	66	49	0	180	10	23	12	17	26	23	20
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	10	81	77	0	300	9	25	10	15	25	9	55
Paisley	188	81	15	—	0	—	0	21	104	39	4	310	7	25	16	16	25	13	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	3	76	89	0	180	7	21	10	10	21	9	55
South Shields	72	61	12	—	0	—	0	16	122	30	0	330	6	25	12	11	25	12	15
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	0	—	0	63	94	11	0	120	9	20	21	12	25	20	55
Shoeburyness	103	90	‡‡	—	0	—	0	28	118	17	5	60	8	26	13	11	25	19	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	23	118	27	0	360	8	25	17	13	25	17	0
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	24	113	31	0	—	9	25	23	17	25	23	5
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	82	85	1	0	20	10	25	15	13	25	14	45
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	19	83	66	0	90	7	20	12	12	{ 20	11	15
7. ENGLAND, N.W.																	{ 25	20	35
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	35	127	6	0	320	10	25	11	—	—	—	—
Southport	80	62	48	—	0	—	0	55	110	3	0	310	10	25	10	12	25	9	50
Holyhead	60	40	‡	—	0	—	0	48	113	9	0	330	10	25	12	13	25	5	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	20, 25, 26	7	84	38	39	0	10	13	25	13	19	25	12	25
Plymouth	185	88	32	—	0	—	0	58	101	9	0	—	10	25	15	17	25	14	35
Lyme Regis	556	61	‡	—	0	—	0	23	15	130	0	—	10	25	24	14	25	15	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	58	83	27	0	260	9	26	8	—	—	—	—
Quilty	100	40	‡‡	—	0	—	0	94	68	6	0	—	11	21	21	17	25	16	40
Cahirciveen (Val. Obs.)	98	41	‡	—	0	—	0	51	95	22	0	350	8	24	16	14	25	10	5
Weaver Pt.	160	30	‡	—	0	—	0	61	97	10	0	—	9	21	8	13	25	11	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory * Above tops of trees.

¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTH WEEK of 1921—February 20th to February 26th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	27	81·4	75·3	78·4	+ 1·8	15	+ 8	24	− 9	4	− 1	0·78	20	− 4	2·5	+0·2	25	1021
Eastern.																			
1. SCOTLAND, EAST ...	54	21	81·3	73·6	77·5	+ 1·4	14	+ 6	35	− 5	2	− 2	0·26	6	− 7	3·1	+0·4	31	1024
2. ENGLAND, N.E.	59	23	82·1	74·3	78·3	+ 1·5	18	+ 8	32	0	2	− 2	0·11	3	− 5	3·3	+0·5	32	1026
3. ENGLAND, EAST ...	61	27	83·6	75·2	79·4	+ 2·5	36	+ 24	17	−17	2	− 1	0·26	7	0	5·9	+2·9	57	1027
4. MIDLAND COUNTIES ...	60	24	83·2	73·7	78·5	+ 1·8	24	+ 11	37	+ 1	2	− 1	0·26	7	− 2	3·8	+1·1	37	1026
5 ENGLAND, S.E.	62	26	84·4	75·8	80·1	+ 2·6	40	+ 26	14	−14	2	− 1	0·30	8	− 2	6·0	+3·0	58	1026
Western.																			
6. SCOTLAND, WEST ...	55	26	81·4	75·5	78·4	+ 1·2	14	+ 5	23	− 6	3	− 1	0·57	14	− 8	2·3	0·0	22	1026
7. ENGLAND, N.W.	57	27	83·1	75·4	79·2	+ 1·9	32	+ 22	16	−12	2	− 2	0·20	5	− 9	4·6	+1·9	45	1025
8. ENGLAND, S.W.	59	24	83·3	76·3	79·8	+ 1·9	33	+ 17	11	−12	2	− 2	0·21	5	− 10	4·7	+1·7	45	1025
9. IRELAND, NORTH ...	53	30	82·1	76·7	79·4	+ 1·3	25	+ 11	10	−14	3	− 1	0·35	9	− 8	2·7	+0 2	27	1023
10. IRELAND, SOUTH ...	55	30	82·7	77·0	79·9	+ 1·2	28	+ 8	8	−12	3	− 1	0·38	10	− 10	2·6	−0·3	25	1024
11. ENGLISH CHANNEL ...	56	39	84·3	79·8	82·0	+ 2·3	43	+ 19	0	− 9	2	− 2	0·22	5	− 9	5·6	+2·1	54	1024
MEAN: DISTRICTS 1-10 ...	62	21	82·7	75·4	79·1	+ 1·7	26	+ 14	20	− 9	2	− 1	0·29	7	− 6	3·9	+1·1	38	1025

THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, November 28th, 1920, to February 26th, 1921.

0. SCOTLAND, NORTH ...	56	17	80·3	74·9	77·7	+ 1·1	154	+ 54	304	−123	60	− 8	16·55	420	− 10	0·8	−0·2	11	1011
Eastern.																			
1. SCOTLAND, EAST ...	57	11	79·8	73·9	76·9	+ 0·8	116	+ 17	425	− 88	51	− 2	8·21	207	+ 5	1·8	+0·2	23	1013
2. ENGLAND, N.E.	59	15	80·9	75·5	78·3	+ 1·4	214	+ 91	270	−140	50	0	5·93	152	+ 8	1·3	−0·3	16	1015
3. ENGLAND, EAST ...	61	4	81·3	75·6	78·4	+ 1·6	274	+136	257	−180	53	+ 1	5·13	130	− 16	1·7	−0·1	20	1017
4. MIDLAND COUNTIES ...	60	−1	81·0	75·6	78·4	+ 1·6	243	+ 94	294	−165	45	− 7	5·98	152	− 21	1·2	−0·4	14	1017
5. ENGLAND, S.E.	62	13	81·6	76·7	79·2	+ 1·5	320	+129	192	−144	51	+ 1	6·27	160	− 31	1·5	−0·3	17	1018
Western.																			
6. SCOTLAND, WEST ...	55	20	80·8	75·8	78·4	+ 1·0	197	+ 54	246	− 94	62	0	14·37	366	+ 3	1·2	−0·1	15	1015
7. ENGLAND, N.W.	60	19	81·2	76·4	78·8	+ 1·3	263	+111	211	−118	52	− 4	8·56	216	− 25	1·6	+0·1	19	1016
8. ENGLAND, S.W.	59	15	81·8	77·0	79·4	+ 1·0	337	+103	181	− 72	50	− 8	9·28	236	− 63	1·7	−0·1	19	1018
9. IRELAND, NORTH ...	57	21	81·8	76·4	79·9	+ 1·9	310	+124	179	−111	58	− 7	9·38	238	− 30	1·5	0·0	18	1013
10. IRELAND, SOUTH ...	60	16	82·4	76·9	79·7	+ 0·8	370	+ 92	171	− 56	57	− 5	11·08	281	− 23	1·6	−0·2	19	1016
11. ENGLISH CHANNEL ...	57	28	82·9	79·4	81·2	+ 0·9	477	+109	49	− 40	61	− 3	7·43	187	− 71	1·7	−0·5	20	1018
MEAN: DISTRICTS 1-10 ...	62	−1	81·3	76·0	78·7	+ 1·3	264	+ 95	243	−117	53	− 3	8·42	214	− 19	1·5	−0·1	18	1016

THE YEAR 1921.—Aggregates, &c., for the Period of 8 Weeks, January 2nd to February 26th, 1921.

0. SCOTLAND, NORTH ...	56	23	80·5	75·0	77·8	+ 1·4	103	+ 50	182	−103	39	− 2	11·47	292	+ 41	1·1	−0·2	14	1011
Eastern.																			
1. SCOTLAND, EAST ...	57	15	80·4	74·2	77·4	+ 1·5	83	+ 27	238	− 96	29	− 3	4·59	115	+ 1	2·0	+0·2	24	1013
2. ENGLAND, N.E.	59	22	81·4	75·6	78·6	+ 2·0	149	+ 79	151	−122	24	− 6	2·56	66	− 11	1·6	−0·3	19	1016
3. ENGLAND, EAST ...	61	23	81·9	75·9	79·0	+ 2·5	193	+117	121	−172	24	− 7	2·11	54	− 25	2·2	+0·1	24	1019
4. MIDLAND COUNTIES ...	60	23	81·6	76·0	78·9	+ 2·4	158	+ 73	142	−160	23	− 8	2.56	66	− 28	1·4	−0·1	16	1019
5. ENGLAND, S.E.	62	24	82·2	76·9	79·6	+ 2·3	202	+102	85	−147	26	− 4	2·69	69	− 32	1·8	−0·3	20	1020
Western.																			
6. SCOTLAND, WEST ...	55	21	81·1	76·0	78·6	+ 1·5	131	+ 55	130	−100	37	− 1	8·79	223	+ 19	1·5	−0·1	17	1016
7. ENGLAND, N.W.	60	20	81·7	76 7	79·3	+ 2·1	175	+ 95	91	−132	29	− 4	5·15	130	− 2	1·8	0·0	20	1017
8. ENGLAND, S.W.	59	22	82·2	77·4	79·9	+ 1·9	215	+ 89	68	−111	28	− 6	4·10	104	− 53	1·8	−0·3	20	1020
9. IRELAND, NORTH ...	56	25	82·3	77·1	79·7	+ 1·9	213	+105	75	−118	35	− 4	5·32	135	− 18	1·4	−0·4	17	1015
10. IRELAND, SOUTH ...	60	25	82·9	77·6	80·3	+ 1·7	251	+ 91	66	− 86	36	− 1	5·70	145	− 27	1·5	−0·5	17	1018
11. ENGLISH CHANNEL ...	56	32	83·1	79·5	81·4	+ 1·6	297	+104	17	− 53	34	− 4	3·13	79	− 55	2·1	−0·4	23	1021
MEAN: DISTRICTS 1-10 ...	62	15	81·8	76·3	79·1	+ 2·0	177	+ 83	117	−124	29	− 4	4·36	111	− 18	1·7	−0·1	19	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
4th March, 1921.

METEOROLOGICAL OFFICE
21 MAR 1921
33
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) No. 9.

NINTH WEEK.

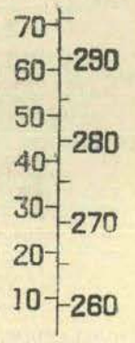
SUNDAY, FEBRUARY 27TH, TO SATURDAY, MARCH 5TH, 1921.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first few days of the week anticyclonic conditions and westerly or south-westerly light winds and fair weather prevailed over the country generally, but during the latter part of the period the weather was dull and unsettled with rain in most districts, while snow fell in Scotland and the northern parts of England. The mean temperature was still above the normal in all districts, the greatest excess being 2·3 a in England N.E. and N.W. and the smallest 0·9 a in the English Channel. The highest of the maxima, about 285 a, occurred on Friday in most cases, but at Aberdeen on Monday a reading of 288 a was registered. On Saturday, however, at many stations in Scotland temperature did not rise above 275 a. The lowest of the minima, which occurred mostly on the 3rd, varied between 266 a at Wick and 277 a in the Scilly Isles. Ground frosts were general, the lowest readings, which were registered on the 3rd, being 262 a at Balmoral and 263 a at Wisley (Surrey) and Porton (Salisbury Plain). Precipitation was below the normal except in Scotland, England N.W. and Ireland N.; the heaviest falls were on the 3rd and 5th; 26mm. at Fort William, 24mm. at Stonyhurst and Rhayader (Radnor) and 22mm. at Eskdalemuir being amounts for the 3rd, while on the 5th Ford (Argyll) measured 27mm., Rothesay 22mm., Renfrew 20mm. and Leith 19mm. Considerable sunshine was recorded on Wednesday at a large number of stations, when 8 or 9 hours were recorded. The total number of hours for the first three days of the week at Jersey amounted to 29·3, 90 per cent. of the possible, and at Guernsey 28·5, 87 per cent. The daily mean was below the normal in all districts with the exception of England S.W. and the English Channel. There was a display of Aurora observed on the 1st at Fort William, Gordon Castle and Aberdeen. Solar halos were seen at a number of stations on various dates. The Zodiacal Light was reported at Raunds, Oxford, Tenbury and Ross-on-Wye on the 2nd.

Attention is called to the note at the foot of Table IV. with regard to the new system of dealing with extreme temperatures at the telegraphic stations.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	5·7	19	5·4	23	2·5	18	3·4	22	4·7	13	3·1	27	4·4	21	4·3
North	7	5·7	5	1·9	4	2·1	5	1·1	6	2·3	10	2·7	0	—	5	4·6
West	28	8·3	26	7·3	28	4·0	26	2·6	28	6·5	22	5·3	27	6·2	25	4·2
East	0	—	2	1·1	0	—	0	—	0	—	4	1·7	0	—	1	0·4
Calm	0	—	0	—	0	—	2	—	0	—	1	—	0	—	2	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	Districts of the British Isles											
	Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual
Rainfall ...	Heavy	Heavy	Light	Light	Moderate	Light	Heavy	Moderate	Moderate	Moderate	Moderate	Light
Sunshine ...	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING, 1 week from February 27th, 1921. Warmth ...	1. 0. 0	1. 0 0	1. 0. 0	1. 0. 0	1. 0 0	1. 0. 0	1. 0. 0	1. 0, 0	1. 0. 0	1. 0. 0	1. 0. 0	1 0 0
Rainfall ...	1. 0 0	1 0 0	0. 0, 1	0, 0, 1	0, 1. 0	0, 0 1	1. 0 0	0. 1, 0	0 1 0	0. 1, 0	0. 1. 0	0. 0, 1
Sunshine ...	0. 0. 1	0, 0 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1. 0	0. 0, 1	0, 0. 1	0. 1 0	0 0 1	0, 0, 1	1. 0 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32417—19) Wt. 24—561/T25 500 3/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands ..	54	48	27–1	29	3,5	43·7	36·0	39·7	+ 2·0	7	1·72	44	+ 27										
	165	49	27th	31	3rd	44·1	35·6	39·7	+ 1·5	7	1·37	35	+ 20	Deerness	1·0	- 1·5	10	—	—	—	—	—	—
	51	50	27th	30	5th	44·4	37·7	41·0	+ 2·3	7	1·50	38	+ 15	Stornoway	1·7	- 0·9	16	—	—	—	—	—	—
	37	49	27, 28	30	5th	44·6	39·0	41·7	—	7	0·65	17	—	Castlebay	0·9	—	8	—	—	—	—	—	—
b. Mainland.	81	53	27th	20	5th	45·0	33·3	39·0	+ 1·1	7	0·59	15	+ 3										
	125	53	27th	26	5th	46·1	34·4	40·1	+ 2·3	3	0·74	19	+ 5										
	508	—	—	—	—	—	—	—	—	—	—	—	—										
	6	52	28th	30	3,5	45·3	36·1	40·6	+ 2·6	6	1·26	32	+ 11										
	171	49	27, 28	32	3,5	44·7	36·4	40·4	+ 1·4	7	3·41	87	+ 50										
1. SCOTLAND, E.																							
	82	54	27th	26	5th	45·6	35·3	40·3	+ 2·6	7	0·66	17	+ 6	Nairn	1·5	—	14	—	—	—	—	—	—
	101	55	27, 28	28	5th	47·3	35·1	41·0	+ 2·5	5	0·51	13	+ 1	Gordon Castle	2·0	—	19	—	—	—	—	—	—
	46	59	28th	30	3rd	48·0	36·9	42·3	+ 3·9	2	0·68	17	+ 4	Aberdeen	2·6	- 0·4	24	3	23	—	—	41·5	+1·9
	930	50	27, 28	21	3rd	43·3	33·4	38·2	+ 3·8	6	0·66	17	+ 1	Balmoral	—	—	—	3	12	—	—	—	—
	432	51	27th	29	2, 3	45·7	35·1	40·2	+ 2·0	7	1·02	26	+ 7	Crathes	1·7	- 1·3	16	3	25	39·0	+2·1	40·4	+2·4
	244	51	27, 28	27	3rd	46·4	35·7	40·9	+ 3·1	5	0·90	23	+ 12	Dundee	2·1	—	20	3	18	39·6	—	—	—
	30	52	1st	33	3rd	47·4	38·1	42·6	+ 3·0	5	1·12	29	+ 20	Leith	—	—	—	2	28	—	—	—	—
	441	49	1st	31	2nd	45·7	37·0	41·2	+ 2·9	5	0·80	20	+ 10	Edinburgh	2·4	- 0·6	22	2	28	—	—	—	—
	769	47	1st	28	3rd	44·4	36·1	40·1	+ 4·8	7	1·20	30	—	West Linton	—	—	—	2	23	—	—	—	—
	498	49	27th	—	—	46·1	—	—	—	4	0·84	21	+ 7	Marchmont	1·7	- 0·9	16	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
	149	48	27–1	30	3rd	45·7	38·5	42·0	—	7	2·91	74	—	Ford (Argyll)	—	—	—	1	26	41·4	—	42·3	—
	180	48	27, 1	33	5th	45·6	38·1	41·7	+ 2·4	6	1·72	44	+ 29	Glasgow	1·4	- 0·6	13	1	27	—	—	—	—
	49	49	27–1	33	3,5	45·4	38·0	41·6	—	5	1·94	49	—	Renfrew	1·8	—	17	1	28	—	—	—	—
	200	51	1st	31	2, 3	45·7	36·1	40·8	+ 0·8	7	2·00	51	+ 30	Rothesay	1·2	—	11	2	25	41·6	—	43·3	+1·4
	90	49	27, 1	31	3rd	47·3	38·3	42·7	+ 3·9	7	1·71	44	+ 28	Kilmarnock	1·0	—	9	—	—	41·3	—	42·9	—
	170	53	1st	34	3rd	47·9	39·1	43·4	+ 4·1	6	1·43	36	+ 16	Colmonell	—	—	—	1	29	—	—	—	—
	160	50	28, 1	31	3rd	47·7	38·0	42·7	+ 3·5	5	0·76	19	+ 3	Dumfries	2·3	—	22	1	23	41·3	+1·7	42·1	+1·3
	794	45	27, 28, 4	25	3rd	43·3	34·6	38·8	—	6	1·64	42	—	Eskdalemuir	1·6	—	15	2	19	—	—	—	—
b. I. OF MAN	284	50	1st	36	2, 3	47·3	40·1	43·6	+ 3·0	5	1·16	29	+ 12	Douglas	1·7	- 1·4	16	0	31	—	—	—	—
2. ENGLAND, N.E																							
	210	52	1st	32	3rd	48·4	38·6	43·4	+ 4·7	3	0·52	13	- 3										
	118	50	27, 1	33	27, 3	47·7	38·7	43·1	+ 3·9	3	0·11	3	- 9	Cockle Park	1·4	- 1·7	13	3	24	40·1	+2·6	41·2	+1·6
	336	50	27, 1, 4	28	3rd	48·1	37·0	42·4	+ 4·1	4	0·17	4	- 8	Durham	2·1	- 0·6	20	3	19	—	—	—	—
a North ..	249	51	27th	28	3rd	47·7	36·9	42·1	+ 3·9	4	0·19	5	- 7	Rounton	—	—	—	3	17	40·4	—	—	—
	605	48	1, 4, 5	30	3rd	46·4	38·1	42·1	—	4	0·49	12	—	West Witton	—	—	—	3	24	39·3	—	41·2	—
	118	54	28th	33	3rd	51·3	38·7	44·8	+ 4·9	3	0·11	3	- 10	Scarborough†	3·0	+ 0·1	28	—	—	—	—	43·4	—
	56	52	4, 5	32	3rd	49·3	39·0	44·0	+ 4·4	4	0·13	3	- 9	York	1·6	- 0·8	15	—	—	41·8	+2·5	43·2	+2·1
b. South ..	26	50	5th	32	3rd	47·4	37·6	42·4	+ 3·0	2	0·17	4	- 6	Spurn Head	—	—	—	—	—	—	—	—	—
	58	54	4th	31	3rd	50·4	37·6	43·8	+ 4·3	3	0·05	1	- 10	Lincoln	—	—	—	2	25	40·7	+2·5	43·0	+2·5
	180	54	4th	30	3rd	49·4	36·9	43·0	+ 3·6	3	0·08	2	- 10	Fulbeck	3·3	+ 0·2	30	3	24	—	—	—	—
														Skegness	2·8	- 0·4	26	—	—	—	—	—	—
3. ENGLAND, E.																							
	196	54	4th	29	3rd	49·9	34·7	42·1	+ 2·8	3	0·08	2	- 7	Cromer	2·9	- 0·2	27	—	—	—	—	—	—
	277	52	4th	27	3rd	48·7	33·4	40·8	+ 1·7	3	0·20	5	- 7	Lit. Massingham	2·9	+ 0·2	27	—	—	—	—	—	—
	13	54	4th	30	3, 4	50·0	34·1	41·8	+ 2·9	2	0·16	4	- 6	Yarmouth	2·7	—	25	2	28	43·0	+2·9	45·0	+2·1
	93	54	4th	30	27, 3	50·3	36·6	43·3	+ 3·8	2	0·24	6	- 6	Norwich	2·6	—	24	2	24	39·8	—	—	—
	37	55	4th	27	27, 3	52·0	33·4	42·4	+ 2·8	2	0·13	3	- 7	Geldeston	3·4	+ 0·5	31	—	—	—	—	—	—
	41	54	4th	26	27, 3	50·9	34·3	42·4	+ 2·7	2	0·07	2	- 7	Cambridge	2·5	- 0·4	23	4	22	41·9	+1·6	44·2	+1·8
	54	52	4th	31	3rd	48·9	37·1	42·8	+ 3·7	2	0·09	2	- 7	Clacton	2·6	- 0·6	24	2	23	42·9	+1·6	45·0	+1·3
	420	51	4th	26	27th	48·6	34·0	41·1	+ 2·1	2	0·16	4	- 9	Rothamsted	2·9	+ 0·1	27	5	20	40·2	—	—	—
	51	54	4th	30	27th	50·1	37·9	43·8	—	2	0·11	3	—	Tottenham	1·4	—	13	2	27	—	—	44·2	+0·8
														S'thend-on-Sea	2·1	—	20	2	29	43·1	+3·0	—	—
4. MIDLAND COUNTIES.																							
	479	49	1st	31	3rd	46·7	37·6	42·0	+ 3·8	4	0·52	13	- 1	Harrogate	1·4	- 1·5	13	3	23	40·9	+2·2	42·1	+2·2
a North ..	429	51	28, 4	33	3rd	48·7	39·6	44·0	—	5	0·75	19	—	Sheffield	1·7	- 0·8	16	1	29	40·2	+1·5	41·9	+1·2
	987	47	4th	31	3rd	44·4	37·9	41·1	+ 4·5	5	1·48	38	+ 12	Buxton	1·0	—	9	2	29	39·8	+1·6	41·7	+1·0
	56	53	28.4	31	3rd	50·9	37·1	43·8	+ 4·1	3	0·15	4	- 6	Worksop	1·7	- 0·8	16	4	21	41·2	—	42·7	—
	82	54	4th	32	27, 3	49·6	36·6	42·9	+ 3·4	3	0·18	5	- 5	Nottingham	2·2	- 0·3	20	2	25	40·6	+1·8	41·5	+1·8
c, East ..	535	51	4th	32	3rd	48·1	38·1	43·0	+ 3·6	2	0·15	4	- 8	Birmingham	1·7	- 0·3	16	3	27	41·7	+1·4	44·8	+1·4
	203	54	4th	27	27th	49·9	33·9	41·7	+ 2·4	2	0·10	3	- 7	Raunds	2·4	—	22	4	23	40·9	—	—	—
	208	53	4th	30	27th	50·3	37·0	43·5	+ 3·3	3	0·08	2	- 9	Oxford	2·9	+ 0·2	27	2	23	—	—	—	—
														Malvern	2·6	—	24	2	28	41·8	—	43·6	—
	646	50	4th	30	3rd	47·4	36·6	41·8	+ 3·5	2	0·35	9	- 6	Cheadle	—	—	—	3	25	—	—	—	—
c, West ..	313	54	4th	28	27th	49·3	38·1	43·5	+ 3·5	3	0·11	3	- 7	Tenbury	—	—	—	3	24	41·8	—	—	—
	291	55	4th	29	27th	50·1	36·3	43·0	+ 2·9	1	0·06	2	- 10	Ross-on-Wye	2·7	—	25	2	23	41·9	—	43·8	—
	225	51	5th	31	27th	48·1	37·9	42·9	+ 2·0	3	0·26	7	- 9	Clifton	3·1	—	29	2	27	—	—	—	—
5. ENGLAND, S.E.																							
	424	52	27, 1	25	27, 3	50·1	32·7	41·1	+ 2·4	3	0·13	3	- 13	Worthing	2·9	- 0·7	27	5	24	41·3	-0·6	45·0	+1·1
	340	53	1st	22	27, 3	50·3	32·0	40·9	—	1	0·05	1	—	Marlborough	2·7	+ 0·2	25	5	20	42·0	—	45·2	—
	150	53	1st	27	27th	50·4	34·4	42·2	+ 2·5	3	0·09	2	- 10	Porton	—	—	—	4	15	—	—	—	—
	354	52	27th	26	27th	49·4	33·7	41·3	+ 1·9	3	0·13	3	- 13	Wisley	2·5	- 0·3	23	5	14	41·0	+0·3	44·0	+1·5
	51	54	4th	33	3rd	50·3	38·4	44·2	+ 3·8	1	0·05	1	- 9	Tunbridge Wells	2·0	- 1·1	18	5	19	42·1	+3·3	44·3	—
														Margate	1·9	- 1·2	18	2	28	43·2	+1·6	45·0	+1·8
	21	49	1, 4	28	3rd	48·0	34·3	41·0	+ 1·1	2	0·07	2	- 9	Dungeness	2·6	—	24	—	—	—	—	46·0	—
	178	51	4th	31	3rd	48·4	37·7	42·9	+ 2·5	4	0·07	2	- 12	Folkestone	3·1	- 0·3	28	5	22	42·1	—	44·7	—
	64	54	27th	26	28th	51·1	33·6	42·1	+ 0·5	3	0·06	1	- 14	St. Leonards	3·0	- 0·1	27	5	18	—	—	—	—
	59	51	1, 2, 4	35	27th	50·1	40·6	45·2	+ 3·1	4	0·10	3	- 11	Southampton	3·9	+ 0·4	36	—	—	—	—	—	—
														Ventnor									
LONDON. a	18	53	4th	30	27, 3, 4	50·2	34·2	42·0	+ 1·6	3	0·10	3	- 8	Richmond	2·3	- 0·3	21	5	18	40·8	+0·2	44·2	+0·9
a	27	54	4th	29	27, 3	51·8	35·0	43·2	+ 2·2	2	0·11	3	- 7	Westminster	2·1	+ 0·4	19	4	25	—	—	—	—
ag	149	54	4th	27	27, 3	51·0	34·6	42·6	+ 1·8	2	0·12	3	- 7	Greenwich	2·1	- 0·4	19	4	20	—	—	—	—
a	450	51	4th	29	3rd	48·4	35·9	42·0	—	2	0·12	3	—	Hampstead	2·6	—	24	5	21	—	—	—	—
ag	110	54	4th	29	27, 3	51·1	35·0	42·8	+ 2·3	2	0·12	3	- 9	Camden Square	—	—	—	5	23	—	—	—	—
7. a. ENGLAND, N.W.																							
p	487	47	1st	29	3rd	45·1	36·9	40·9	+ 2·1	6	1·28	32	+ 13	Aspatria	1·1	- 1·8	10	1	28	41·4	+0·2	42·9	+0·1
p	559	51	1st	31	3rd	47·4	37·9	42·5	+ 4·9	4	0·75	19	0	Newton Rigg	1·2	- 1·5	11	1	30	—	—	—	—
p	375	48	2, 5	34	3rd	47·1	38·9	42·9	+ 4·1	6	1·50	38	+ 16	Stonyhurst	1·1	- 1·5	10	1	30	—	—	—	—
a	66	48	27, 5	38	3rd	47·0	42·0	44·4	+ 4·8	5	0·51	13	- 1	Blackpool	1·6	- 1·5	15	1	29	43·4	—	44·2	—
a	37	50	5th	36	3rd	47·6	40·4	43·9	+ 4·0	5	0·89	23	+ 9	Southport	1·6	- 1·5	15	0	31	42·1	+2·7	42·6	+1·9
														Hoylake	1·5	- 1·3	14	—	—	—	—	—	—
t	188	51	4th	37	3rd	48·9	40·1	44·4	+ 4·1	3	0·30	8	- 3	Liverpool	1·5	—	14	1	30	—	—	—	—
a	22	54	4th	35	3rd	51·1	41·6	46 2	+ 5·2	4	0·17	4	- 5	Manchester(City)	0·9	- 0·9	8	0	34	41·5	+2·3	43·9	+1·8
p	126	51	4th	33	3rd	48·4	39·4	43·8	+ 3·3	5	0·69	17	+ 4	Whitworth Park	0·6	- 1·2	6	—	—	—	—	—	—
v. NORTH WALES.																							
p	22	51	4, 5	39	2nd	49·3	43·3	46·2	+ 4·6	3	0·25	6	- 7	Llandudno	1·6	- 1·5	15	—	—	—	—	—	—
t	10	50	27th	35	3rd	47 7	42·8	45·1	+ 3·7	4	0·52	13	- 3	Holyhead	1·4	—	13	0	36	—	—	—	—
a	60	49	1, 4, 5	38	27th	48·4	42·0	45·1	—	4	1·02	26	—	Aberdovey	1·3	- 1·8	12	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°		in.	mm.		hr.	hr.		°F.		°F.	°F.	°F.	°F.
a Aberystwyth	16	49	5th	35	27th	46·7	41·3	43·9	—	4	0·87	22	—									
a Rhayader	757	49	4th	23	27th	46·4	35·3	40·7	-	5	1·15	29	—	Aberystwyth ..	1·3	- 1·6	12	—	—	—	—	—	—
t St. Ann's Head ..	149	50	4th	39	27th	48·4	42·6	45·4	+ 3·5*	4	0·21	5	- 12	Rhayader ..	1·4	—	13	3	19	—	—	—	—
p Cardiff	202	51	27, 1, 5	31	3rd	49·7	37·9	43·6	+ 3·2	3	0·61	15	- 5	St. Ann's Head ..	1·9	- 1·3	18	—	—	—	—	—	—
														Cardiff	3·0	—	27	5	21	42·1	+ 1·0	44·8	+ 1·8
b, ENGLAND, S.W.																							
a Bath	66	53	1st	27	27, 3	51·0	34·6	42·6	+ 1·9	3	0·12	3	- 11	Bath	3·3	+ 0·3	30	—	—	42·3	+ 1·9	45·2	+ 1·8
a Shaftesbury	722	56	5th	32	3rd	49·7	35·9	42·6	+ 3·4	3	0·17	4	- 11	Shaftesbury ..	—	—	—	—	—	43·0	—	44·8	—
a Arlington	613	51	1st	30	27th	48·3	36·0	42·0	+ 2·1	5	1·01	26	0										
a Newquay	190	53	1st	31	27th	49·7	37·1	43·2	0·0	5	0·27	7	- 9	Newquay ..	4·8	+ 1·5	44	—	—	45·4	—	47·3	—
a Cullompton	202	55	27th	27	27th	52·4	31·9	41·9	+ 0·9	4	0·14	4	- 14	Cullompton ..	3·7	+ 0·8	34	5	20	42·7	—	—	—
t Portland Bill	19	50	1, 4	37	27, 28	48·9	41·7	45·2	+ 3·1	2	0·12	3	- 10	Weymouth ..	4·7	—	43	—	—	—	—	—	—
p Plymouth	116	55	1st	31	28th	51·9	37·6	44·5	+ 1·9	4	0·17	4	- 15	Plymouth ..	4·8	+ 1·5	44	5	26	42·6	- 0·6	46·6	—
a Falmouth	167	55	28th	34	28, 1	51·9	38·4	45·0	+ 1·8	4	0·27	7	- 17	Falmouth ..	5·0	+ 1·6	46	3	26	45·1	—	47·8	—
9. IRELAND, N.																							
a West .. *t* Malin Head	208	49	27, 3	37	2nd	47·3	41·4	44·3	+ 2·9	6	0·98	25	+ 10	Malin Head ..	0·9	—	8	—	—	—	—	—	—
t Blacksod Point ..	10	51	4, 5	32	3rd	49·4	40·0	44·6	+ 1·8	6	1·30	33	+ 7	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	-	—	—	—	—	—	—	—	Markree Castle	1·2	- 1·3	11	2	28	44·3	+ 1·9	45·1	+ 1·4
p Markree Castle ..	122	52	1st	34	2nd	50·0	40·0	44·9	+ 3·9	6	1·02	26	+ 4										
b, East .. *p* Armagh	204	53	1st	32	2nd	49·7	38·7	44·0	+ 3·1	5	0·71	18	+ 3	Armagh	1·4	- 1·1	13	0	31	43·2	+ 2·1	44·5	+ 1·6
t Donaghadee	35	53	1st	31	2nd	49·3	39·3	44·2	+ 2·7	4	0·52	13	- 1										
10. IRELAND, S.																							
p Dublin, City	54	55	4th	36	2, 3	51·0	41·9	46·3	+ 3·5	4	0·23	6	- 6	Trinity Coll. ..	1·9	—	18	0	31	44·7	+ 2·5	45·9	+ 2·0
t Birr Castle	175	53	1, 4, 5	29	27th	50·6	38·1	44·2	+ 3·2	4	?0·31	?8	- 6	Phœnix Park ..	2·0	- 1·0	18	2	28	—	—	—	—
a Kilkenny	195	55	1st	32	3rd	51·1	37·7	44·2	+ 2·7	3	0·19	5	- 10	Dublin City ..	—	—	—	1	30	—	—	—	—
a Waterford	137	55	4th	33	3rd	51·0	39·6	45·1	+ 2·3	4	0·12	3	- 15	Birr Castle ..	1·9	- 0·8	18	4	23	—	—	—	—
p Seskin, Carrick-on-Suir	542	55	4th	33	2nd	48·9	39·1	43·9	—	3	0·18	5	—	Seskin	1·6	—	15	3	29	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	55	1st	37	2nd	50·7	41·3	45·9	+ 3·0	4	0·77	20	+ 1										
t Cahirciveen (Val. Obs.)	30	53	4th	36	27th	49·4	42·6	45·9	+ 1·5	5	0·91	23	- 7	Cahirciveen ..	1·1	- 1·8	10	0	34	—	—	—	—
a Killarney	174	53	1, 4	34	27th	50·9	40·6	45·6	+ 2·3	5	0·84	21	- 9	Ballinacurra ..	—	—	—	—	—	—	—	—	—
t Roche's Point	32	54	4th	38	27, 2	50·6	42·3	46·3	+ 2·6	4	0·14	4	- 16										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	54	27, 1, 4	40	27th	52·4	43·6	47·9	+ 2·9	3	0·22	6	- 9	Scilly	5·2	+ 1·6	48	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	51	28, 5	33	28, 3	50·1	37·4	43·6	+ 0·2	0	0·01	0·2	- 15	St. Heliers ..	6·4	+ 2·6	59	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	56	27th	35	28, 3	52·1	39·4	45·6	+ 1·7	3	0·09	2	- 14	Guernsey† ..	5·9	+ 2·1	54	4	20	44·2	- 0·2	47·0	+ 1·5

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 5th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	4	3	26 to 28, 2 to 4	77	79	9	0	0	270	18	4	8	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	36	100	29	3	240	8	3	12	23	4	10	50
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	2, 4, 5	4	63	89	12	0	300	12	4	13	—	—	—	—
Edinburgh	485	39	51	—	0	27 to 1, 3, 4	48	82	34	4	0	250	15	28	2	23	3	18	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	27 to 1, 3, 4	47	79	25	17	0	220	17	3	19	27	3	18	35
Paisley	188	81	15	—	0	27, 28	4	119	32	13	0	290	13	27	17	25	28	9	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	28	2	59	70	37	0	?	11	28	6	22	28	6	30
South Shields	72	61	12	—	0	27 to 2	9	84	69	6	0	280	14	28	15	22	28	1	30
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	3, 4	7	59	102	0	0	240	12	3	24	17	4	0	45
Shoeburyness	103	90	‡	—	0	—	0	57	111	0	0	220	10	3	23	14	4	2	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	45	99	24	0	200	10	4	11	18	4	10	45
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	30	51	87	0	—	9	4	7	15	4	1	30
Larkhill, S'y Plain ..	513	63	43	—	0	3, 4	3	75	87	3	0	240	11	4	1	15	4	2	55
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	31	105	32	0	220	8	3	23	14	3	23	15
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	1 to 4	35	94	37	2	0	280	15	2	14	—	—	—	—
Southport	80	62	48	—	0	28, 2 to 4	40	116	12	0	0	240	17	4	3	22	4	0	10
Holyhead	60	40	‡	—	0	1 to 4	38	126	4	0	0	220	13	3	15	20	3	15	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	3, 4	6	45	45	72	0	250	13	4	1	17	4	0	45
Plymouth	185	88	2	—	0	—	0	54	65	47	2	—	10	4	2	14	4	2	30
Lyme Regis	556	61	‡	—	0	—	0	16	32	121	0	—	8	4	1	12	4	5	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	28 to 4	30	98	40	0	0	250	15	2	10	—	—	—	—
Quilty	100	40	‡	—	0	28 to 5	49	112	7	0	0	—	15	3	16	21	2	4	10
Cahirciveen (Val. Obs.)	98	41	‡	—	0	3	12	114	30	12	0	250	12	3	21	19	3	11	20
Weaver Pt.	160	30	‡	—	0	3	1	80	87	0	0	—	11	3	13	18	3	13	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	3, 4	7	44	78	39	0	270	12	3	24	16	4	3	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.

¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINTH WEEK of 1921—February 27th to March 5th, 1921

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	20	80·2	75·1	77·5	+ 1·1	8	+ 2	23	−12	6	+ 1	1·54	39	+ 15	1·4	−1·0	13	1009
Eastern.																			
1. SCOTLAND, EAST ...	59	21	80·8	75·1	77·8	+ 1·7	11	+ 4	24	−16	5	+ 1	0·84	21	+ 8	2·0	−0·8	19	1012
2. ENGLAND, N.E.	54	28	82·4	76·3	79·2	+ 2·3	26	+ 14	11	−21	3	− 1	0·17	4	− 8	2·4	−0·5	22	1019
3. ENGLAND, EAST ...	55	26	82·9	74·7	78·7	+ 1·6	31	+ 16	19	−15	2	− 2	0·14	4	− 6	2·8	−0·1	26	1024
4. MIDLAND COUNTIES ...	55	27	82·4	75·7	79·0	+ 1·9	27	+ 11	14	−20	3	− 1	0·20	5	− 7	2·2	−0·5	20	1024
5. ENGLAND, S.E.	54	22	82·9	74·8	78·7	+ 1·0	31	+ 14	19	− 9	3	− 1	0·09	2	− 11	2·7	−0·4	25	1026
Western.																			
6. SCOTLAND, WEST ...	53	30	81·2	76·5	78·8	+ 1·6	18	+ 8	10	−19	6	+ 2	1·67	42	+ 21	1·6	−1·0	15	1016
7. ENGLAND, N.W.	54	29	81·9	77·6	79·7	+ 2·3	22	+ 10	5	−22	4	0	0·68	17	+ 1	1·3	−1·4	12	1021
8. ENGLAND, S.W.	56	23	82·9	75·9	79·3	+ 1·1	30	+ 12	13	− 9	4	0	0·40	10	− 10	3·3	+0·2	30	1026
9. IRELAND, NORTH ...	53	29	82·7	77·2	79·9	+ 1·6	27	+ 11	7	−15	5	0	0·81	21	+ 2	1·3	−1·2	12	1017
10. IRELAND, SOUTH ...	55	29	83·4	77·7	80·4	+ 1·5	30	+ 8	4	−12	4	0	0·44	11	− 9	1·7	−1·3	15	1023
11. ENGLISH CHANNEL ...	56	33	83·8	77·5	80·6	+ 0·9	34	+ 10	5	− 3	2	− 2	0·11	3	− 13	5·8	+2·1	54	1027
MEAN: DISTRICTS 1-10 ...	59	21	82·4	76·2	79·2	+ 1·7	25	+ 11	13	−16	4	0	0·54	14	− 2	2·1	−0·7	20	1021

THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, February 27th to March 5th, 1921.

0. SCOTLAND, NORTH ...	53	20	80·2	75·1	77·5	+ 1·1	8	+ 2	23	− 12	6	+ 1	1·54	39	+ 15	1·4	−1·0	13	1009
Eastern.																			
1. SCOTLAND, EAST ...	59	21	80·8	75·1	77·8	+ 1·7	11	+ 4	24	− 16	5	+ 1	0·84	21	+ 8	2·0	−0·8	19	1012
2. ENGLAND, N.E.	54	28	82·4	76·3	79·2	+ 2·3	26	+ 14	11	− 21	3	− 1	0·17	4	− 8	2·4	−0·5	22	1019
3. ENGLAND, EAST ...	55	26	82·9	74·7	78·7	+ 1·6	31	+ 16	19	− 15	2	− 2	0·14	4	− 6	2·8	−0·1	26	1024
4. MIDLAND COUNTIES ...	55	27	82·4	75·7	79·0	+ 1·9	27	+ 11	14	− 20	3	− 1	0·20	5	− 7	2·2	−0·5	20	1024
5. ENGLAND, S.E.	54	22	82·9	74·8	78·7	+ 1·0	31	+ 14	19	− 9	3	− 1	0·09	2	− 11	2·7	−0·4	25	1026
Western.																			
6. SCOTLAND, WEST ...	53	30	81·2	76·5	78·8	+ 1·6	18	+ 8	10	− 19	6	+ 2	1·67	42	+ 21	1·6	−1·0	15	1016
7. ENGLAND, N.W.	54	29	81·9	77·6	79·7	+ 2·3	22	+ 10	5	− 22	4	0	0·68	17	+ 1	1·3	−1·4	12	1021
8. ENGLAND, S.W.	56	23	82·9	75·9	79·3	+ 1·1	30	+ 12	13	− 9	4	0	0·40	10	− 10	3·3	+0·2	30	1026
9. IRELAND, NORTH ...	53	29	82·7	77·2	79·9	+ 1·6	27	+ 11	7	− 15	5	0	0·81	21	+ 2	1·3	−1·2	12	1017
10. IRELAND, SOUTH ...	55	29	83·4	77·7	80·4	+ 1·5	30	+ 8	4	− 12	4	0	0·44	11	− 9	1·7	−1·3	15	1023
11. ENGLISH CHANNEL ...	56	33	83·8	77·5	80·6	+ 0·9	34	+ 10	5	− 3	2	− 2	0·11	3	− 13	5·8	+2·1	54	1027
MEAN: DISTRICTS 1-10 ...	59	21	82·4	76·2	79·2	+ 1·7	25	+ 11	13	− 16	4	0	0·54	14	− 2	2·1	−0·7	20	1021

THE YEAR 1921.—Aggregates, &c., for the Period of 9 Weeks, January 2nd to March 5th, 1921.

0. SCOTLAND, NORTH ...	56	20	80·5	75·0	77·8	+ 1·4	111	+ 52	205	−115	45	− 1	13·01	331	+ 56	1·1	−0·3	14	1011
Eastern.																			
1. SCOTLAND, EAST ...	59	15	80·4	74·3	77·4	+ 1·4	94	+ 31	262	−112	34	− 2	5·43	136	+ 9	2·0	0·0	23	1013
2. ENGLAND, N.E.	59	22	81·5	75·7	78·7	+ 2·1	175	+ 93	162	−143	27	− 7	2·73	70	− 19	1·7	−0·3	19	1017
3. ENGLAND, EAST ...	61	23	82·0	75·8	79·0	+ 2·4	224	+133	140	−187	26	− 9	2·25	58	− 31	2·2	0·0	24	1019
4. MIDLAND COUNTIES ...	60	23	81·7	75·9	78·9	+ 2·3	185	+ 84	156	−180	26	− 9	2.76	71	− 35	1·5	−0·4	17	1019
5. ENGLAND, S.E.	62	22	82·3	76·7	79·5	+ 2·2	233	+116	104	−156	29	− 5	2·78	71	− 43	1·9	−0·3	21	1021
Western.																			
6. SCOTLAND, WEST ...	55	21	81·1	76·1	78·6	+ 1·5	149	+ 63	140	−119	43	+ 1	10·46	265	+ 40	1·5	−0·2	17	1016
7. ENGLAND, N.W. ...	60	20	81·7	76·8	79·3	+ 2·1	197	+105	96	−154	33	− 4	5·83	147	− 1	1·7	−0·2	19	1018
8. ENGLAND, S.W.	59	22	82·3	77·3	79·8	+ 1·7	245	+101	81	−120	32	− 6	4·50	114	− 63	2·0	−0·2	21	1020
9. IRELAND, NORTH ...	56	25	82·3	77·1	79·8	+ 1·9	240	+116	82	−133	40	− 4	6·13	156	− 16	1·4	−0·4	16	1015
10. IRELAND, SOUTH ...	60	25	83·0	77·6	80·3	+ 1·6	281	+ 99	70	− 98	40	− 1	6·14	156	− 36	1·5	−0·6	17	1019
11. ENGLISH CHANNEL ...	56	32	83·2	79·3	81·3	+ 1·5	331	+114	22	− 56	36	− 6	3·24	82	− 68	2·5	−0·2	27	1021
MEAN: DISTRICTS 1-10 ...	62	15	81·8	76·3	79·1	+ 1·9	202	+ 94	129	−140	33	− 5	4·90	124	− 20	1·7	−0·3	19	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches	mm.	mm.	hr.		%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
11th March, 1921.

METEOROLOGICAL OFFICE 19 MAR 1921 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) No. 10.

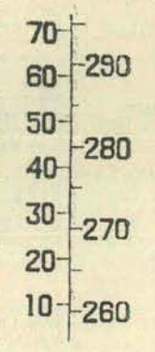
TENTH WEEK.

SUNDAY, MARCH 6TH, TO SATURDAY, MARCH 12TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was of a rather unsettled character; snow fell in Scotland and the north-eastern parts of England, with rain in many places, but more especially in the northern and western parts of the country. The prevailing winds were mainly westerly or south-westerly and moderate to strong in force. On Monday and Thursday much bright sunshine was experienced over England generally. Towards the end of the week several high temperatures were registered, and readings of 289 a were recorded in many places, including London. On the other hand in parts of Scotland on Sunday and Monday the maxima did not exceed 273 a. The lowest minimum in the screen, 260 a at Balmoral, occurred on Monday, when the grass minimum thermometer went down to 255 a (− 1° F.), while on the same day Strathpeffer and Fort Augustus registered readings of 265 a in the screen and Dundee 262 a on the grass. The mean temperature was above the normal in all districts except Scotland N. and E., the largest excess being about 2 a over the eastern parts of England. Precipitation was below the normal in all districts, with the exception of Scotland N. and Ireland N. In the former district several rather heavy falls were measured, the total for the two days 8th and 9th at Fort William being 83mm., while the heaviest falls in Ireland occurred towards the end of the week, Blacksod Point having 21mm. on the 10th, Cahirciveen (Valencia Observatory) 25mm. and Roche's Point 21mm. on the 12th. The daily mean of bright sunshine differed little from the normal in most districts; over England the sunniest days were Monday and Thursday when records of 9 or 10 hours were obtained at a number of stations in various parts of the country. Solar halos were observed at Aberdeen on the 7th, Ross-on-Wye on the 8th, Tenbury on the 12th and Oxford on the 10th and 12th. The Zodiacal Light was witnessed at Oxford on the 6th, 7th and 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	7·5	22	6·8	21	4·1	18	4·2	22	7·3	—	—	20	6·2	21	6·3
North	7	6·9	4	5·4	4	5·2	5	4·3	5	7·1	—	—	5	6·6	5	6·5
West	19	2·9	21	3·8	17	2·9	11	2·1	20	3·1	—	—	17	3·8	14	3·4
East	7	3·4	2	2·2	4	1·6	1	2·3	6	2·9	—	—	3	1·7	9	1·3
Calm	0	—	0	—	3.	—	5	—	0	—	—	—	2	—	2	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Light	Light	Moderate	Light	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 2 weeks from February 27th, 1921.	Warmth ...	1, 1, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0
	Rainfall ...	2, 0, 0	1, 0, 1	0, 0, 2	0, 1, 1	0, 1, 1	0, 1, 1	1, 1, 0	0, 1, 1	0, 2, 0	0, 2, 0	0, 2, 0	0, 1, 1
	Sunshine ...	0, 0, 2	0, 1, 1	0, 2, 0	0, 2, 0	0, 1, 1	0, 2, 0	0, 1, 1	1, 0, 1	0, 2, 0	0, 1, 1	0, 1, 1	1, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32526—19) Wt. 24—561/P25 500 3/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.						Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
c. SCOTLAND, N.																						
a, Islands .. t Lerwick	54	48	10th	26	7th	42·7	34·4	38·4	+ 0·7	5	0·56	14	- 7									
a, Islands .. p Deerness, Orkney ..	165	47	10, 11	26	6th	42·3	36·0	39·1	+ 0·9	4	0·61	16	- 3	Deerness ..	1·8	- 0·9	16	—	—	—	—	—
a, Islands .. t Stornoway	31	49	10th	28	6th	44·0	35·0	39·4	+ 0·6	7	1·47	37	+ 9	Stornoway ..	1·6	- 1·4	14	—	—	—	—	—
a, Islands .. t Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—
b, Mainland. t Wick	81	48	10th	24	7th	42·3	33·7	37·9	- 0·3	5	0·21	5	- 10									
b, Mainland. a Strathpeffer	125	51	9,10	17	7th	44·7	30·3	37·3	- 0·8	2	0·41	10	- 8									
b, Mainland. p Glencarron	500	48	9–12	16	7th	44·0	32·0	37·8	+ 0·6	6	3·47	88	+ 38									
b, Mainland. a Fort Augustus	60	51	10th	17	7th	44·0	32·1	37·9	- 0·5	5	1·56	40	+ 15									
b, Mainland. p Fort William	171	49	9–11	19	7th	44·6	34·6	39·5	+ 0·2	6	4·03	102	+ 57									
d. SCOTLAND, E.																						
t Nairn	82	52	9,10	19	7th	45·3	30·9	37·9	- 0·7	3	0·20	5	- 7	Nairn	2·9	—	26	—	—	—	—	—
p Gordon Castle	101	54	9th	24	7th	45·4	34·3	39·7	+ 0·4	3	0·23	6	- 8	Gordon Castle ..	3·4	—	31	—	—	—	—	—
t Aberdeen	46	53	9th	26	7, 8	44·7	33·1	38·7	- 0·5	2	0·16	4	- 11	Aberdeen ..	4·6	+ 1·2	41	3	21	—	—	41·2	+1·4
a Balmoral	930	49	9,10	8	7th	40·9	29·6	35·1	0·0	6	0·19	5	- 14	Balmoral ..	—	—	—	4	-1	—	—	—	—
p Crieff	432	48	9,10	19	7th	42·7	32·1	37·2	- 1·9	5	0·87	22	+ 1	Crathes	4·4	+ 1·1	39	2	19	37·1	- 0·4	40·1	+1·7
a Dundee	244	49	10th	22	7th	45·0	32·6	38·6	- 0·1	1	0·10	3	- 10	Dundee	3·2	—	29	5	13	38·0	—	—	—
t Leith	30	51	9-11	24	7th	47·3	35·7	41·3	+ 0·9	1	0·08	2	- 9	Leith	—	—	—	4	†	—	—	—	—
p Edinburgh	441	50	9,10	24	7th	46·3	35·6	40·8	+ 1,8	1	0·03	1	- 10	Edinburgh ..	3·9	+ 0·6	35	4	17	—	—	—	—
a West Linton	769	48	10th	18	7th	44·1	30·4	37·1	+ 1·0	2	0·28	7	—	West Linton ..	—	—	—	5	17	—	—	—	—
p Marchmont	498	53	10th	—	—	46·7	—	—	—	1	0·08	2	- 14	Marchmont ..	3·0	- 0·1	27	—	—	—	—	—	—
e. SCOTLAND, W.																						
a Ford (Argyll)	149	49	9th	19	7th	44·4	33·6	38·8	—	6	1·28	33	—	Ford (Argyll) ..	—	—	—	3	15	39·4	—	42·1	—
p Glasgow Observatory	180	49	9th	25	7th	44·1	36·8	40·2	+ 0·4	5	0·56	14	- 4	Glasgow	2·3	- 0·1	21	3	18	—	—	—	—
t Renfrew	49	50	9th	22	7th	45·1	35·6	40·2	—	5	0·72	18	—	Renfrew ..	2·5	—	22	4	11	—	—	—	—
p Rothesay	200	50	9th	25	7th	45·3	34·0	39·5	- 1·0	6	0·81	21	- 3	Rothesay ..	1·8	—	16	3	18	40·1	—	43·0	+0·9
a Kilmarnock	90	50	11th	22	7, 8	46·1	33·3	39·5	+ 0·2	4	0·61	16	- 3	Kilmarnock ..	2·5	—	23	—	—	40·5	—	42·9	—
a Colmoneil	170	50	9th	22	7th	46·6	37·9	42·1	+ 2·2	5	0·75	19	- 4	Colmoneil ..	—	—	—	1	17	—	—	—	—
p Dumfries	160	50	10th	23	7th	46·6	35·7	41·0	+ 1·2	5	0·80	20	+ 1	Dumfries ..	3·6	—	32	2	18	41·6	+1·4	42·4	+1·2
t Eskdalemuir	794	47	10th	20	7th	42·4	33·1	37·6	—	6	1·11	28	—	Eskdalemuir ..	3·4	—	30	2	†	—	—	—	—
b, LOF MAN p Douglas	284	50	9th	27	7th	46·7	37·7	42·1	+ 1.2	6	0·74	19	- 1	Douglas	3·1	- 0·7	28	1	22	—	—	—	—
2. ENGLAND, N.E																						
a North .. a Alnwick Castle ..	210	55	10th	26	12th	48·7	34·9	41·6	+ 2·4	2	0·09	2	- 14									
a North .. Tynemouth	118	54	9th	30	7th	47·9	37·1	42·3	+ 2·7	1	0·06	2	- 9	Cockle Park ..	2·6	- 1·0	23	4	20	39·5	+1·8	41·5	+1·7
a North .. p Durham	336	53	10th	27	7th	48·7	33·9	41·1	+ 2·2	2	0·07	2	- 9	Durham ..	3·0	- 0·2	27	4	18	—	—	—	—
a North .. p Rounton	249	55	9,10	28	7th	50·3	34·4	42·1	+ 3·4	3	0·25	6	- 5	Rounton ..	—	—	—	4	20	40·9	—	—	—
a North .. a West Witton	605	55	10th	27	7th	47·4	35·0	41·0	—	3	0·06	2	—	West Witton ..	—	—	—	3	22	39·8	—	41·4	—
a North .. p Scarborough ..	118	57	9,10	33	8, 9	51·1	38·0	44·4	+ 3·9	2	0·07	2	- 10	Scarborough† ..	3·2	- 0·1	29	—	—	—	—	43·7	—
a North .. p York	56	57	10th	29	7th	50·4	36·4	43·2	+ 2·9	3	0·13	3	- 8	York	3·2	+ 0·4	28	—	—	42·3	+2·5	43·5	+2·2
b, South .. t Spurn Head ..	26	55	9th	33	7th	49·0	39·0	43·9	+ 3·9	3	0·24	6	- 3	Spurn Head ..	—	—	—	—	—	—	—	—	—
b, South .. a Lincoln	58	59	10th	29	7th	51·3	37·7	44·3	+ 4·1	3	0·14	4	- 6	Lincoln	—	—	—	2	26	41·7	+2·9	43·1	+2·3
b, South .. a Fulbeck	180	57	10th	29	7th	50·4	36·4	43·2	+ 3·1	5	0·31	8	- 3	Fulbeck	3·2	- 0·3	28	3	25	—	—	—	—
														Skegness ..	2·6	- 1·1	23	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	58	11th	27	8th	52·1	33·9	42·7	+ 2·7	4	0·08	2	- 7	Cromer	3·4	- 0·2	30	—	—	—	—	—	—
a Little Massingham ..	277	56	10th	30	7th	50·1	34·4	42·0	+ 2,0	4	0·39	10	- 3	Lit. Massingham	2·5	- 0·6	23	—	—	—	—	—	—
t Yarmouth	13	57	12th	30	8th	51·0	36·4	43·5	+ 3·9	3	0·17	4	- 7	Yarmouth ..	4·5	—	40	1	26	43·9	+2·9	45·0	+1·8
a Norwich	93	57	11th	28	8th	52·0	34·7	43·1	+ 2·7	2	0·18	5	- 7	Norwich ..	3·2	—	29	5	20	40·8	—	—	—
a Geldeston	37	60	11, 12	26	8th	53·7	34·0	43·6	+ 3·3	3	0·17	4	- 7	Geldeston ..	4·1	+ 0·7	36	—	—	—	—	—	—
a Cambridge	41	58	10th	26	8th	52·6	34·3	43·2	+ 2·7	3	0·22	6	- 3	Cambridge ..	2·7	- 0·7	24	6	22	42·9	+1·9	44·3	+1·5
t Clacton-on-Sea ..	54	53	6th	34	7, 8	48·3	39·6	43·8	+ 3·9	3	0·23	6	- 3	Clacton	3·9	+ 0·3	35	3	23	43·8	+2·0	45·1	+1·1
a Rothamsted	420	55	10, 11	27	8th	49·9	35·1	42·3	+ 2·5	3	0·20	5	- 8	Rothamsted ..	2·7	- 0·4	24	5	18	41·3	—	—	—
p Tottenham	51	57	10th	34	8th	52·0	38·7	45·2	—	3	0·35	9	—	Tottenham ..	2·9	—	26	1	29	—	—	44·8	+1·2
														S'thend-on-Sea	4·6	—	41	1	30	43·9	+3·6	—	—
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	55	9th	27	7th	48·3	34·9	41·4	+ 2·7	2	0·25	6	- 9	Harrogate ..	3·2	- 0·1	28	4	21	41·0	+1·9	42·3	+2·1
a North .. p Sheffield	429	56	9th	30	7th	49·7	36·9	43·1	—	2	0·09	2	—	Sheffield ..	3·6	+ 0·8	32	2	26	41·2	+2·1	42·2	+1·4
a North .. p Buxton	987	53	10th	27	7th	46·3	33·6	39·8	+ 2·8	5	0·27	7	- 20	Buxton	3·3	—	30	3	22	40·2	+1·3	41·7	+0·9
b, East .. a Worksop	56	59	9th	28	7th	52·1	37·1	44·4	+ 4·1	2	0·03	1	- 10	Worksop ..	3·1	+ 0·4	28	3	19	42·6	—	43·1	—
b, East .. t Nottingham	82	58	10th	31	8th	49·7	38·0	43·7	+ 3·7	4	0·25	6	- 5	Nottingham ..	3·1	+ 0·3	27	2	26	41·5	+2·3	42·0	+2·0
b, East .. p Birmingham, Edgbsn.	525	56	10th	29	7th	49·4	36·1	42·6	+ 2·8	5	0·20	5	- 7	Birmingham ..	3·5	+ 1·2	31	3	22	42·1	+1·7	44·7	+1·2
b, East .. a Raunds	203	58	10th	29	8th	51·7	35·6	43·4	+ 3·5	4	0·23	6	- 5	Raunds	3·3	—	29	2	24	41·9	—	—	—
b, East .. p Oxford	208	55	10th	33	7, 8	51·4	38·4	44·7	+ 4·0	4	0·13	3	- 8	Oxford	3·4	+ 0·4	30	2	25	—	—	—	—
														Malvern ..	4·2	—	37	2	27	42·9	—	44·0	—
c, West .. a Cheadle (N. Staffs.) ..	646	53	10th	27	7th	47·9	34·9	41·2	+ 2·4	2	0·20	5	- 10	Cheadle	—	—	—	2	26	—	—	—	—
c, West .. p Tenbury	313	54	10th	28	12th	50·7	35·3	42·8	+ 2·4	4	0·07	2	- 8	Tenbury ..	—	—	—	3	24	43·3	—	—	—
c, West .. a Hereford	291	55	10th	29	7th	51·0	35·4	43·0	+ 2·3	1	0·04	1	- 11	Ross-on-Wye ..	3·8	—	34	3	26	43·9	—	44·4	—
c, West .. a Clifton	225	53	10th	33	7th	49·3	37·0	43·0	+ 1·7	5	0·31	8	- 8	Clifton	4·1	—	37	2	29	—	—	—	—
														Worthing ..	4·2	+ 0·4	37	2	23	43·4	+0·8	44·9	+0·7
5. ENGLAND, S.E																						
a Marlborough ..	424	52	10, 11	27	8th	49·7	36·9	43·1	+ 3·7	5	0·37	10	- 7	Marlborough ..	2·8	- 0·1	24	2	26	43·7	—	45·3	—
a Porton	340	54	11th	25	8th	50·9	34·9	42·7	—	2	0·19	5	—	Porton	—	—	—	4	18	—	—	—	—
a Wisley, Surrey ..	100	57	11th	28	8th	52·0	36·1	43·8	+ 3·3	3	0·24	6	- 7	Wisley	2·9	- 0·2	26	7	13	42·7	+1·5	44·0	+1·1
a Tunbridge Wells ..	354	57	11th	27	8th	52·0	36·3	43·9	+ 3.7	2	0·52	13	- 4	Tunbridge Wells	3·7	+ 0·3	32	4	19	43·0	+3·9	44·3	—
a Margate	51	59	11th	33	8th	52·7	40·1	46·2	+ 5·0	2	0·24	6	- 5	Margate	4·8	+ 1·4	42	1	26	43·7	+1·6	45·1	+1·7
t Dungeness	21	52	6, 11, 12	30	8th	50·1	39·4	44·6	+ 4·1	3	0·23	6	- 6	Folkestone ..	—	—	—	—	—	—	—	—	—
p St. Leonards	178	53	6th	34	7, 8	49·9	39·7	44·7	+ 3·6	5	0·32	8	- 7	St. Leonards ..	4·2	+ 0·5	37	1	25	43·7	—	44·7	—
p Southampton	64	55	6th	27	8th	51·3	36·6	43·7	+ 1·4	6	0·28	7	- 9	Southampton ..	2·9	- 0·6	25	4	18	—	—	—	—
a Ventnor	59	52	6, 9	34	8th	50·6	40·1	45·2	+ 2·4	7	0·20	5	- 9	Ventnor	3·6	- 0·3	32	—	—	—	—	—	—
LONDON a Richmond (Kew Obs.)	18	57	11th	31	8th	51·7	35·5	43·4	+ 2·3	3	0·48	12	0	Richmond ..	3·0	+ 0·2	27	3	19	42·4	+1·1	44·4	+0·9
a Westminster	27	60	11th	29	8th	52·7	38·2	45·2	+ 3·4	3	0·23	6	- 5	Westminster ..	2·6	+ 0·6	23	2	25	—	—	—	—
ag Greenwich	149	61	11th	27	8th	53·9	35·7	44·5	+ 2·9	3	0·31	8	- 2	Greenwich ..	3·6	+ 0·8	32	4	24	—	—	—	—
a Hampstead	450	55	10, 11	30	8th	50·6	37·3	43·8	—	3	0·39	10	—	Hampstead ..	3·1	—	27	—	—	—	—	—	—
ag Camden Square ..	110	60	11th	31	8th	53·6	37·4	45·3	+ 3·9	3	0·35	9	- 3	Camden Square	—	—	—	4	24	—	—	—	—
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	50	10th	21	7th	45·6	34·3	39·8	+ 0·6	4	0·21	5	- 16	Aspatria	3·6	+ 0·5	32	3	16	41·0	-0·7	42·9	-0·2
p Newton Rigg	559	50	11th	23	7th	45·9	34·4	40·0	+ 1·8	6	0·52	13	- 6	Newton Rigg ..	3·1	+ 0·2	28	1	18	—	—	—	—
p Stonyhurst	376	53	9,10	27	7th	47·7	36·3	41·8	+ 2·6	4	0·25	6	- 18	Stonyhurst ..	3·7	+ 1·0	33	3	23	—	—	—	—
a Blackpool	66	54	10th	26	7th	49·7	36·7	43·0	+ 3·0	5	0·09	2	- 13	Blackpool ..	4·4	+ 0·9	39	3	17	43·8	—	44·6	—
a Southport	37	56	9, 10	27	7th	49·7	37·3	43·3	+ 3·0	4	0·14	4	- 11	Southport ..	4·2	+ 0·9	38	3	19	42·1	+2·0	43·2	+2·0
														Hoylake ..	3·6	+ 0·5	32	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	54	9,10	29	7, 8	48·6	36·9	42·6	+ 1·8	4	0·14	4	- 8	Liverpool ..	2·7	—	24	3	22	—	—	—	—
a Hawarden Bridge ..	22	56	10th	28	7th	50·3	37·3	43·6	+ 2·1	3	0·11	3	- 7	Manchester (City)	1·9	- 0·1	17	1	29	41·7	+2·1	44·0	+1·6
p Manchester (Whit. Pk.)	126	57	10th.	30	7th	50·4	36·4	43·2	+ 2·2	2	0·09	2	- 12	Whitworth Park	1·8	- 0·1	16	—	—	—	—	—	—
9. NORTH WALES.																						
p Llandudno	22	56	10th	29	7th	50·6	38·4	44·3	+ 2·4	3	0·11	3	- 11	Llandudno ..	3·7	+ 0·4	33	—	—	—	—	—	—
t Holyhead ..	15	61	10th	30	7th	47·6	40·3	43,8	+ 2·2	6	0·48	12	- 6	Holyhead ..	3·2	—	28	1	29	—	—	—	—
a Aberdovey	60	55	10th	32	7th	49·6	39·6	44·5	—	7	0·63	16	—	Aberdovey ..	4·2	+ 0·9	38	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the peroids 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																							
a Aberystwyth	16	54	10th	32	7th	48·7	39·0	43·7	—	6	0·21	5	—	Aberystwyth ..	4·2	+ 0·9	37	—	—	—	—	—	—
a Rhayader	757	52	10th	27	12th	47·4	34·6	40·8	—	6	0·20	5	—	Rhayader ..	4·0	—	35	4	18	—	—	—	—
t St. Ann's Head ..	149	49	8–10	35	8th	47·9	41·3	44·5	+ 2·7	7	1·22	31	+ 13	St. Ann's Head ..	3·9	+ 0·3	34	—	—	—	—	—	—
p Cardiff	202	52	8–10, 12	32	7th	50·4	37·4	43·7	+ 3·1	4	0·30	8	- 14	Cardiff	3·6	—	32	3	23	44·0	+ 2·5	45·0	+ 1·8
b. ENGLAND, S.W.																							
a Bath	66	54	10th	29	8th	51·1	37·7	44·2	+ 3·3	5	0·62	16	+ 1	Bath	3·9	+ 0·6	35	—	—	44·2	+ 3·4	45·4	+ 2·0
a Shaftesbury	723	51	10th	31	8th	47·6	36·4	41·8	+ 2·4	3	0·36	9	- 7	Shaftesbury ..	—	—	—	—	—	43·5	—	44·9	—
a Arlington	613	51	10th	30	7, 8	48·1	35·8	41·8	+ 1·8	4	0·53	13	- 15										
a Newquay	190	53	10th	32	12th	49·9	38·1	43·8	+ 0·7	5	0·38	10	- 7	Newquay ..	3·7	- 0·1	32	—	—	45·9	—	47·3	—
a Cullompton	202	54	8th	28	8th	51·6	35·6	43·4	+ 2·2	4	0·35	9	- 10	Cullompton ..	2·9	- 0·4	26	5	20	44·4	—	—	—
t Portland Bill ..	19	51	8th	35	8th	49·1	41·7	45·3	+ 3·1	4	0·11	3	- 11	Weymouth ..	3·4	—	30	—	—	—	—	—	—
p Plymouth	116	54	10th	34	8th	50·6	38·7	44·5	+ 2·8	4	0·29	7	- 13	Plymouth ..	3·4	- 0·3	30	3	27	44·8	+ 1·3	46·7	—
a Falmouth	167	53	10, 11	33	12th	50·4	38·1	44·1	+ 1·0	6	0·54	14	- 11	Falmouth ..	3·8	0·0	34	3	27	45·5	—	48·0	—
9. IRELAND, N.																							
a West .. t Malin Head	208	50	10th	30	7th	45·0	36·9	40·8	+ 0·1	5	0·14	4	- 10	Malin Head ..	1·5	—	13	—	—	—	—	—	—
a West .. t Blacksod Point ..	10	52	10th	36	7th	48·0	39·3	43·5	+ 1·4	7	2·33	59	+ 34	Mallarany ..	1·8	—	16	1	30	—	—	—	—
a West .. a Mallarany	120	53	10th	33	11th	49·9	41·7	45·7	—	7	1·92	49	—	Markree Castle	3·0	- 0·1	27	4	19	43·6	+ 0·5	45·1	+ 1·1
a West .. p Markree Castle ..	122	53	10th	25	7th	48·6	35·3	41·8	+ 1·4	6	0·69	18	- 3										
b, East .. p Armagh	204	—	—	—	—	—	—	—	—	—	—	—	—	Armagh	—	—	—	—	—	—	—	—	—
b, East .. t Donaghadee	35	53	9th	28	7th	47·9	38·3	43·0	+ 2·1	4	0·09	2	- 12										
10. IRELAND, S.																							
p Dublin, City	54	56	9th	29	7th	50·0	38·7	44·2	+ 1·8	2	0·03	1	- 11	Trinity Coll. ..	2·8	—	25	1	22	44·7	+ 2·2	46·0	+ 1·9
t Birr Castle	175	55	9th	23	7th	48·4	36·3	42·2	+ 1·6	5	0·23	6	- 9	Phœnix Park ..	3·8	- 0·1	34	2	22	—	—	—	—
a Kilkenny	195	54	9th	25	7th	50·0	34·4	42·0	+ 0·9	4	0·34	9	- 6	Dublin City ..	—	—	—	1	23	—	—	—	—
a Waterford	137	53	9, 10	28	7th	49·6	37·0	43·1	+ 0·8	5	0·61	16	- 1	Birr Castle ..	2·7	- 0·7	24	4	24	—	—	—	—
p Seskin, Carrick-on-Suir	542	51	9th	25	7th	48·0	34·1	40·8	—	4	0·95	24	—	Seskin	4·2	—	37	3	20	—	—	—	—
a Cahir	199	55	9th	24	7th	49·3	34·4	41·6	+ 0·2	4	0·40	10	—										
a Foynes	50	55	9th	28	7th	50·9	37·3	43·9	+ 1·5	5	0·39	10	- 9										
t Cahirciveen (Val. Obs.)	30	52	9th	29	7th	50·1	40·7	45·3	+ 1·5	7	2·07	53	+ 24	Cahirciveen ..	2·9	- 0·9	26	2	24	—	—	—	—
a Killarney	174	55	9th	26	7th	52·0	38·1	44·8	+ 2·0	6	1·38	35	+ 5	Ballinacurra ..	3·7	- 0·5	33	—	—	—	—	—	—
t Roche's Point	32	52	9, 10	32	7th	49·6	41·1	45·2	+ 2·1	4	0·88	22	+ 3										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	52	8th	39	7th	49·9	43·1	46·4	+ 1·4	6	0·61	16	- 2	Scilly	3·5	- 0·2	31	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	54	10, 11	39	6th	51·3	41·6	46·3	+ 2·6	1	0·13	3	- 15	St. Heliers ..	4·2	+ 0·3	37	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	54	10th	35	8th	51·1	41·1	46·0	+ 1·8	4	0·16	4	- 15	Guernsey† ..	3·2	- 0·7	28	3	25	45·2	+ 0·6	47·0	+ 1·3

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 12th, 1921.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	6 to 8, 10, 11	49	63	48	8	0	160	15	11	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	13	58	18	79	200	8	9	13	20	6	8	10
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	65	100	3	0	220	10	9	14	—	—	—	—
Edinburgh	485	39	31	—	0	8 to 10, 12	26	89	53	0	0	180	16	12	18	26	10	23	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	6, 8 to 10	44	75	35	14	0	190	16	10	24	25	10	23	30
Paisley	188	81	15	—	0	10	4	114	42	8	0	190	14	10	23	26	10	22	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	6	2	41	94	31	0	360	11	6	14	19	6	14	5
South Shields	72	61	12	—	0	6	5	55	98	10	0	20	12	6	19	20	6	16	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	6, 7	7	82	75	4	0	30	14	6	23	20	6	22	20
Shoeburyness	103	90	‡	—	0	—	0	71	86	11	0	{ 160 / 180	9	10	{ 13 / 14 }	14	6	17	5
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	10	1	74	83	10	0	160	11	10	12	15	10	11	35
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	9	96	63	0	—	8	6	24	15	6	23	40
Larkhill, S'y Plain ..	513	63	43	—	0	6, 7, 9, 10	7	91	66	1	3	40	13	6	18	17	6	{ 18	15
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	30	101	37	0	180	9	10	12	17	10	{ 18 / 11	25 / 35
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	8, 10	13	85	69	1	0	20	14	6	16	—	—	—	—
Southport	80	62	48	—	0	6, 9, 10	7	94	65	2	0	350	14	6	15	18	6	15	10
Holyhead	60	40	‡	—	0	6, 7, 9, 10, 12	68	78	19	3	0	160	15	10	19	24	10	18	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	10	1	6, 8 to 10, 12	50	38	35	44	0	190	17	10	18	24	10	18	10
Plymouth	185	88	2	—	0	6, 9, 10, 12	25	61	57	25	0	—	15	10	19	19	10	20	25
Lyme Regis	556	61	‡	—	0	—	0	13	53	102	0	—	11	7	5	14	6	18	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	6, 7, 9, 10, 12	33	73	59	3	0	170	16	10	18	—	—	—	—
Quilty	100	40	—	—	0	6 to 10, 12	47	105	16	0	0	—	17	10	17	26	10	16	25
Cahirciveen, (Val Obs.)	98	41	‡‡	—	0	6, 9 to 12	41	88	29	10	0	190	16	12	7	27	12	7	10
Weaver Pt.	160	30	‡	10, 12	12	6, 9 to 12	51	56	49	0	0	—	19	10	16	28	10	16	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TENTH WEEK of 1921—March 6th to March 12th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	51	16	79·6	73.7	76·5	0·0	5	− 3	31	− 3	5	0	1·67	42	+ 13	1·7	−1·0	15	1002
Eastern.																			
1. SCOTLAND, EAST ...	54	8	79·8	73·2	76·4	− 0·2	6	− 4	34	− 4	3	− 2	0·26	7	− 9	3·7	+0·5	33	1005
2. ENGLAND, N.E.	59	26	82·9	75·4	79·1	+ 1·8	30	+ 16	16	−13	3	− 1	0·15	4	− 8	3·0	−0·4	26	1010
3. ENGLAND, EAST ...	60	26	83·7	75·1	79·3	+ 1·8	36	+ 19	18	−12	3	− 1	0·22	6	− 5	3·3	0·0	30	1013
4. MIDLAND COUNTIES ...	59	27	83·1	75·4	79·1	+ 1·7	31	+ 14	16	−16	3	− 1	0·19	5	− 7	3·5	+0·5	31	1012
5 ENGLAND, S.E.	59	25	83·6	76·1	79·7	+ 1·6	33	+ 14	12	−12	4	0	0·31	8	− 6	3·6	+0·2	31	1013
Western.																			
6. SCOTLAND, WEST ..	50	19	80·6	74·9	77·7	+ 0·3	10	− 1	25	− 2	5	0	0·79	20	− 4	2·7	−0·4	24	1008
7. ENGLAND, N.W.	57	21	82·2	75·7	78·8	+ 1·2	25	+ 12	15	−10	4	0	0·23	6	− 11	3·7	+0·8	33	1010
8. ENGLAND, S.W.	54	27	82·7	76·2	79·3	+ 1·0	28	+ 10	12	− 9	5	+ 1	0·45	11	− 10	3·7	+0·3	33	1012
9. IRELAND, NORTH ...	55	23	81·7	75·9	78·7	+ 0·7	22	+ 6	13	−11	5	0	0·69	18	0	3·0	−0·1	27	1004
10. IRELAND, SOUTH ...	56	23	83·0	76·1	79·4	+ 0·7	30	+ 8	12	− 8	5	+ 1	0·70	18	− 2	3·3	−0·4	29	1008
11. ENGLISH CHANNEL ...	54	35	83·4	78·5	80·9	+ 1·1	30	+ 5	0	− 9	4	− 1	0·30	8	− 11	3·6	−0·2	32	1013
MEAN: DISTRICTS 1-10 ...	60	8	82·3	75·4	78·8	+ 1·1	25	+ 10	17	−10	4	0	0·40	10	− 6	3·4	+0·1	30	1010

THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks, February 27th to March 12th, 1921.

0. SCOTLAND, NORTH ...	53	16	79·9	74·4	77·0	+ 0·5	13	− 1	54	− 15	11	+ 1	3·51	89	+ 36	1·5	−1·0	14	1006
Eastern.																			
1. SCOTLAND, EAST ...	59	8	80·3	74·2	77·1	+ 0·7	17	0	58	− 20	8	− 1	1·10	28	− 1	2·8	−0·1	26	1009
2. ENGLAND, N.E.	59	26	82·7	75·9	79·2	+ 2·1	56	+ 30	27	− 34	6	− 2	0·32	8	− 16	2·7	−0·4	24	1015
3. ENGLAND, EAST ...	60	26	83·3	74·9	79·0	+ 1·7	67	+ 35	37	− 27	5	− 3	0·36	10	− 11	3·1	0·0	28	1019
4. MIDLAND COUNTIES ...	59	27	82·8	75·6	79·1	+ 1·8	58	+ 25	30	− 36	6	− 2	0·39	10	− 14	2·8	0·0	26	1018
5. ENGLAND, S.E.	59	22	83·3	75·5	79·2	+ 1·3	64	+ 28	31	− 21	7	− 1	0·40	10	− 17	3·1	−0·1	28	1020
Western.																			
6. SCOTLAND, WEST ...	53	19	80·9	75·7	78·3	+ 1·0	28	+ 7	35	− 21	11	+ 2	2·46	62	+ 17	2·1	−0·7	20	1012
7. ENGLAND, N.W.	57	21	82·1	76·7	79·3	+ 1·8	47	+ 22	20	− 32	8	0	0·91	23	− 10	2·5	−0·4	23	1016
8. ENGLAND, S.W.	56	23	82·8	76·1	79·3	+ 1·0	58	+ 22	25	− 18	9	+ 1	0·85	21	− 20	3·5	+0·3	31	1019
9. IRELAND, NORTH ...	55	23	82·2	76·6	79·3	+ 1·1	49	+ 17	20	− 26	10	0	1·50	39	+ 2	2·2	−0·6	20	1011
10. IRELAND, SOUTH ...	57	23	83·2	76·9	79·9	+ 1·1	60	+ 16	16	− 20	9	+ 1	1·14	29	− 11	2·5	−0·8	22	1016
11 ENGLISH CHANNEL ...	56	33	83·6	78·0	80·8	+ 1·0	64	+ 15	5	− 12	6	− 3	0·41	11	− 24	4·7	+0·9	43	1020
MEAN: DISTRICTS 1-10 ...	60	8	82·4	75·8	79·0	+ 1·4	51	+ 20	30	− 26	8	− 1	0·94	24	− 8	2·7	−0·3	25	1016

THE YEAR 1921.—Aggregates, &c., for the Period of 10 Weeks, January 2nd to March 12th, 1921.

0. SCOTLAND, NORTH ...	56	16	80·4	74·9	77·7	+ 1·3	116	+ 49	236	−118	50	− 1	14·98	381	+ 77	1·2	−0·3	14	1010
Eastern.																			
1. SCOTLAND, EAST ...	59	8	80·4	74·2	77·3	+ 1·3	100	+ 27	296	−116	37	− 4	5·69	143	0	2·1	0·0	24	1012
2. ENGLAND, N.E.	59	22	81·7	75·7	78·7	+ 2·0	205	+109	178	−156	30	− 8	2·88	74	− 27	1·8	−0·3	20	1016
3. ENGLAND, EAST ...	61	23	82·2	75·7	79·0	+ 2·3	260	+152	158	−199	29	−10	2·47	64	− 36	2·3	0·0	25	1019
4. MIDLAND COUNTIES ...	60	23	81·9	75·9	78·9	+ 2·2	216	+ 98	172	−196	29	−10	2·95	76	− 42	1·7	−0·3	18	1019
5. ENGLAND, S.E.	62	22	82·4	76·6	79·5	+ 2·1	266	+130	116	−168	33	− 5	3·09	79	− 49	2·1	−0·2	22	1020
Western.																			
6. SCOTLAND, WEST ...	55	19	81·1	76·0	78·6	+ 1·5	159	+ 62	165	−121	48	+ 1	11·25	285	+ 36	1·6	−0·2	18	1015
7. ENGLAND, N.W.	60	20	81·8	76·7	79·3	+ 2·0	222	+117	111	−164	37	− 4	6·06	153	− 12	1·9	−0·1	21	1017
8. ENGLAND, S.W.	59	22	82·4	77·2	79·8	+ 1·8	273	+111	93	−129	37	− 5	4·95	125	− 73	2·1	−0·2	23	1020
9. IRELAND, NORTH ...	56	23	82·3	77·0	79·7	+ 1·8	262	+122	95	−144	45	− 4	6·82	174	− 16	1·6	−0·4	17	1014
10. IRELAND, SOUTH ...	60	23	83·0	77·5	80·2	+ 1·5	311	+107	82	−106	45	0	6·84	174	− 38	1·7	−0·6	18	1018
11. ENGLISH CHANNEL ...	56	32	83·2	79·2	81·2	+ 1·4	361	+119	22	− 65	40	− 7	3·54	90	− 79	2·6	−0·2	28	1020
MEAN: DISTRICTS 1-10 ...	62	8	81·9	76·3	79·1	+ 1·9	228	+104	147	−150	37	− 5	5·30	135	− 26	1·9	−0·2	21	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
18th March, 1921.

METEOROLOGICAL OFFICE
29 MAR 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 11.

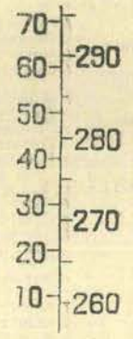
ELEVENTH WEEK.

SUNDAY, MARCH 13TH, TO SATURDAY, MARCH 19TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the greater part of the week the distribution of pressure underwent little change; the weather was fine to cloudy with rain in many places, and thunder and hail were reported at several stations. The winds were mainly southerly or south-westerly in direction and at times of considerable strength, attaining gale force in various parts of the country. The highest of the maxima occurred on Thursday when readings of 288 a were registered at several stations in the eastern part of England. Minimum temperatures in the screen of 273 a and below were recorded on the 15th in most districts, while on the grass the thermometer went down to 267 a at Porton (Salisbury Plain) and Wisley (Surrey) on the same date. The mean temperature was in excess of the normal in all districts. The total rainfall was rather less than the normal in England N.E., but in all other districts there was an excess. In Scotland the heaviest falls were Eskdalemuir 27mm. on the 13th and also on the 15th, Crieff 24mm., Fort William 22mm. and Dumfries 20mm. on the 15th and Kilmarnock 21mm. on the 14th, while in South Wales, Rhayader (Radnor) had 19mm. on the 15th. Although the daily mean of bright sunshine was deficient of the normal in most districts, good records were obtained on various days during the week, but more especially on Friday when more than 10 hours were registered, the largest amounts being 11 hours at Ventnor, 10·8 hours at Portsmouth, 10·7 hours at Oxford, 10·5 hours at Worthing and Weymouth and 10·1 hours at Marlborough. Solar halos were observed at Oxford, Tenbury, Ross-on-Wye and Hastings on various dates, and lunar halos at Ross-on-Wye and Falmouth on the 16th and Glasgow and Aberdovey on the 17th. The Zodiacal Light was observed at Tenbury on the 18th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	28	8·9	24	7·1	28	5·8	28	5·3	26	7·0			28	5·6	23	5·7
North	0	—	1	1·1	0	—	0	—	2	3·0			0	—	3	3·0
West	11	3·9	19	5·0	27	3·4	17	2·4	21	4·8			18	6·8	23	5·2
East	15	4·4	3	1·7	0	—	3	1·4	5	2·0			5	2·5	3	0·7
Calm	0	—	0	—	0	—	0	—	0	—			0	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Very Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Heavy	Light	Moderate	Heavy	Moderate	Very Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Scanty	Moderate	Moderate	Abundant	Moderate	Abundant	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 3 weeks from February 27th, 1921.	Warmth ...	2, 1, 0	2, 1, 0	3, 0, 0	3, 0, 0	3, 0, 0	3, 0, 0	2, 1, 0	3, 0, 0	3, 0, 0	3, 0, 0	3, 0, 0	3, 0, 0
	Rainfall ...	3, 0, 0	2, 0, 1	0, 0, 3	0, 2, 1	1, 1, 1	0, 2, 1	2, 1, 0	1, 1, 1	1, 2, 0	1, 2, 0	1, 2, 0	1, 1, 1
	Sunshine ..	0, 0, 3	0, 2, 1	0, 3, 0	1, 2, 0	0, 2, 1	1, 2, 0	0, 1, 2	1, 1, 1	0, 2, 1	0, 2, 1	0, 2, 1	1, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32618–19) Wt. 24—561/P25 500 3/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F.	°F
0. SCOTLAND, N.																							
a, Islands	t Lerwick	54	48	14th	36	19th	46·6	39·3	42·8	+ 4·4	6	1·10	26	+ 7									
	p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—
	t Stornoway	31	50	13, 15	36	15, 17	47·6	38·7	43·0	+ 3·4	7	2·17	55	+ 31	Stornoway	1·3	- 1·9	11	—	—	—	—	—
	t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—
b, Mainland	t Wick	81	51	16th	35	17, 19	48·1	37·9	42·9	+ 3·8	5	0·20	5	- 9									
	a Strathpeffer	125	52	16th	31	15, 17	49·1	33·4	41·0	+ 1·9	4	0·80	20	+ 4									
	p Glencarron	500	53	16th	30	16th	48·4	34·4	41·2	+ 3·1	7	2·48	63	+ 18									
	a Fort Augustus	68	55	16th	32	19th	48·1	34·9	41·3	+ 1·9	7	1·83	46	+ 24									
	p Fort William	171	53	16th	34	18th	48·7	36·3	42·3	+ 2·0	7	3·18	81	+ 42									
1. SCOTLAND, E.																							
	t Nairn	82	56	16th	33	14th	50·6	36·4	43·3	+ 4·0	4	0·48	12	+ 1	Nairn	5·0	—	43	—	—	—	—	—
	p Gordon Castle	101	56	16th	35	14th	51·0	37·1	43·8	+ 3·9	4	0·09	2	- 11	Gordon Castle	5·0	—	43	—	—	—	—	—
	t Aberdeen	46	54	16th	36	15, 19	49·1	37·6	43·2	+ 3·3	5	0·74	19	+ 5	Aberdeen	4·5	+ 0·7	38	1	29	—	—	41·3	+1·3
	a Balmoral	930	50	16th	31	14th	45·6	33·4	39·3	+ 3·5	7	1·25	32	+ 15	Balmoral	—	—	—	4	27	—	—	—	—
	p Crieff	432	51	16th	32	15th	47·4	34·1	40·6	+ 0·7	7	2·10	53	+ 35	Crathes	4·0	+ 0·4	34	1	29	39·6	+1·5	40·2	+1·4
	a Dundee	244	59	16th	33	15, 19	50·0	36·7	43·2	+ 3·6	7	1·08	27	+ 15	Dundee	2·7	—	23	3	25	40·0	—	—	—
	t Leith	30	55	16th	36	15, 18	51·4	38·4	44·7	+ 3·6	7	1·06	27	+ 17	Leith	—	—	—	1	30	—	—	—	—
	p Edinburgh	441	52	16th	35	15, 18	48·9	38·1	43·3	+ 3·6	7	1·00	26	+ 16	Edinburgh	4·0	+ 0·3	35	0	31	—	—	—	—
	a West Linton	769	51	16th	33	15, 18	46·9	36·4	41·5	+ 4·8	7	1·62	41	—	West Linton	—	—	—	2	29	—	—	—	—
	p Marchmont	498	53	16th	—	—	49·0	—	—	—	6	1·15	29	+ 14	Marchmont	2·9	- 0·6	25	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	52	16th	34	18, 19	48·0	36·7	42·2	—	7	2·73	69	—	Ford (Argyll)	—	—	—	1	30	40·8	—	41·4	—
	Glasgow Observatory	180	52	16th	35	14th	48·4	38·3	43·2	+ 2·6	7	2·55	65	+ 51	Glasgow	1·4	- 1·2	12	0	32	—	—	—	—
	t Renfrew	49	54	16th	35	15th	49·9	38·3	43·9	—	7	2·32	59	—	Renfrew	2·3	—	19	1	30	—	—	—	—
	p Rothesay	200	51	16th	35	18th	48·1	37·3	42·5	+ 1·3	7	2·28	58	+ 39	Rothesay	1·8	—	16	3	29	42·1	—	43·0	+0·7
	a Kilmarnock	90	54	17th	33	15th	49·9	38·3	43·9	+ 3·8	7	2·38	61	+ 47	Kilmarnock	1·8	—	15	—	—	41·7	—	42·9	—
	a Colmonell	170	53	16th	32	14th	48·7	37·7	43·0	+ 2·2	7	2·52	64	+ 46	Colmonell	—	—	—	1	29	—	—	—	—
	p Dumfries	160	52	16th	36	18th	48·4	39·3	43·7	+ 3·0	7	1·99	51	+ 36	Dumfries	2·0	—	17	0	32	43·1	+2·7	43·0	+1·4
	t Eskdalemuir	794	48	16, 17	33	18th	45·7	36·6	41·0	—	7	3·74	95	—	Eskdalemuir	2·1	—	18	0	31	—	—	—	—
b, I. OF MAN	p Douglas	284	51	16th	30	15th	48·7	36·9	42·6	+ 1.0	7	1·70	43	+ 28	Douglas	2·8	- 1·4	24	0	31	—	—	—	—
2. ENGLAND, N.E.																							
a, North	a Alnwick Castle	210	56	16th	32	14th	52·1	37·6	44·6	+ 4·3	7	0·31	8	- 4									
	t Tynemouth	118	55	16th	37	15, 16	51·0	39·4	45·0	+ 4·3	6	0·17	4	- 5	Cockle Park	3·0	- 1·2	25	4	26	41·5	+3·4	42·0	+2·0
	p Durham	336	54	16th	33	15th	50·7	37·6	44·0	+ 3·9	6	0·21	5	- 4	Durham	4·3	+ 0·5	37	3	26	—	—	—	—
	p Rounton	249	54	16th	35	15, 18	51·1	38·1	44·4	+ 4·5	7	0·48	12	+ 4	Rounton	—	—	—	4	29	42·5	—	—	—
	a West Witton	805	51	13, 16	36	15, 18	48·6	39·3	43·8	—	7	0·95	24	—	West Witton	—	—	—	0	31	40·9	—	41·7	—
	p Scarborough	118	55	13, 16, 19	36	15th	53·4	40·7	46·9	+ 5·3	4	0·19	5	- 4	Scarborough†	4·2	+ 0·3	36	—	—	—	—	44·5	—
	p York	56	54	16th	35	15th	51·9	40·3	45·9	+ 4·4	7	0·33	8	0	York	2·9	- 0·4	25	—	—	43·6	+3·3	43·9	+2·4
b, South	t Spurn Head	26	56	17th	35	15th	52·1	39·0	45·4	+ 4·3	5	0·24	6	- 1	Spurn Head	—	—	—	—	—	—	—	—	—
	a Lincoln	58	57	17th	36	15th	54·4	40·3	47·1	+ 5·6	4	0·23	6	- 2	Lincoln	—	—	—	0	31	44·2	+4·9	43·7	+2·6
	a Fulbeck	180	56	17th	33	15th	53·7	38·9	46·1	+ 4·7	4	0·19	5	- 4	Fulbeck	3·7	- 0·3	32	1	28	—	—	—	—
															Skegness	4·9	+ 0·5	42	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	196	59	17th	34	15th	55·6	39·0	47·1	+ 6·1	2	0·28	7	0	Cromer	5·7	+ 1·6	48	—	—	—	—	—	—
	a Little Massingham	277	57	17th	33	15th	54·0	38·4	46·0	+ 5·0	3	0·35	9	- 1	Lit. Massingham	5·3	+ 1·7	45	—	—	—	—	—	—
	t Yarmouth	13	59	17th	31	19th	53·3	41·9	47·4	+ 6·9	5	0·48	12	+ 4	Yarmouth	6·7	—	57	0	32	45·1	+3·5	45·6	+2·0
	a Norwich	93	59	17th	36	15, 19	55·1	42·1	48·4	+ 6·9	3	0·42	11	+ 2	Norwich	5·9	—	50	2	28	44·8	—	—	—
	a Geldeston	37	62	17th	35	15, 19	56·0	40·4	48·0	+ 6·7	3	0·36	9	+ 1	Geldeston	6·0	+ 2·1	51	—	—	—	—	—	—
	p Cambridge	41	58	17th	33	15th	56·1	40·3	48·0	+ 6·4	4	0·20	5	- 2	Cambridge	5·0	+ 1·1	42	2	23	46·1	+4·5	45·4	+2·2
	t Clacton-on-Sea	54	55	17th	40	15, 19	51·7	43·4	47·4	+ 6·5	3	0·32	8	+ 1	Clacton	5·9	+ 1·7	50	0	32	46·1	+3·8	45·9	+1·6
	a Rothamsted	420	55	13, 17	30	15th	53·0	38·1	45·3	+ 4·5	4	0·41	11	+ 2	Rothamsted	5·2	+ 1·5	44	3	22	44·4	—	—	—
	p Tottenham	51	57	17th	38	15th	54·1	43·9	48·9	—	3	0·28	7	—	Tottenham	4·5	—	38	0	34	—	—	45·4	+1·6
															S'thend-on-Sea	5·3	—	46	0	35	47·0	+6·2	—	—
4. MIDLAND COUNTIES.																							
a North	a Harrogate	479	53	16, 17	35	15, 18	50·3	38·0	44·0	+ 4·0	7	0·51	13	+ 2	Harrogate	3·2	- 0·7	27	0	31	42·2	+2·8	42·7	+2·2
	p Sheffield	429	54	16th	36	15th	51·4	39·6	45·3	—	7	0·44	11	—	Sheffield	3·1	- 0·2	27	0	31	42·9	+3·4	42·8	+1·8
	p Buxton	987	50	16th	34	15th	47·0	37·9	42·3	+ 4·0	6	1·33	34	+ 14	Buxton	2·2	—	19	1	29	41·5	+2·3	42·1	+1·1
b, East	a Worksop	56	—	—	—	—	—	—	—	—	—	—	—	—	Worksop	—	—	—	—	—	—	—	—	—
	t Nottingham	82	55	13, 16, 17	34	15th	53·4	40·7	46·9	+ 5·5	3	0·14	4	- 4	Nottingham	3·1	- 0·3	27	1	30	44·1	+4·8	43·0	+2·7
	p Birmingham, Edgbas	525	53	17th	35	15th	50·3	39·3	44·6	+ 3·1	6	0·68	17	+ 8	Birmingham	2·2	- 0·6	18	0	32	43·4	+2·9	44·9	+1·5
	a Raunds	203	57	17th	33	15th	55·0	38·1	46·3	+ 5·0	3	0·20	5	- 3	Raunds	4·5	—	38	1	29	44·4	—	—	—
	p Oxford	208	56	17th	35	15th	53·6	40·7	47·0	+ 4·9	6	0·38	10	+ 2	Oxford	4·2	+ 0·6	35	1	28	—	—	—	—
															Malvern	2·9	—	25	0	31	43·8	—	44·4	—
c, West	a Cheadle (N. Staffs.)	646	51	16, 17	33	15th	49·4	37·1	43·1	+ 2·9	6	0·62	16	+ 5	Cheadle	—	—	—	1	28	—	—	—	—
	p Tenbury	313	52	16, 17	32	15th	50·4	38·4	44·2	+ 2·0	7	0·88	22	+ 14	Tenbury	—	—	—	1	26	43·8	—	—	—
	a Hereford	291	53	17th	35	15th	51·0	38·3	44·5	+ 2·4	6	0·94	24	+ 15	Ross-on-Wye	2·6	—	22	1	30	45·0	—	45·1	—
	a Clifton	225	53	17th	32	16th	50·7	38·4	44·4	+ 1·8	7	0·95	24	+ 12	Clifton	3·1	—	27	1	30	—	—	—	—
5. ENGLAND, S.E.																							
	a Marlborough	424	52	16, 19	34	16th	51·0	37·7	44·2	+ 3·7	7	0·60	15	+ 3	Worthing	6·1	+ 1·7	52	1	29	46·7	+3·7	45·7	+1·2
	a Porton	340	54	15th	30	15th	53·0	37·2	44·9	—	4	0·56	14	—	Marlborough	3·3	+ 0·1	28	2	30	45·5	—	45·9	—
	a Wisley, Surrey	150	57	17th	36	15th	54·7	41·4	47·9	+ 6·2	5	0·35	9	0	Porton	—	—	—	2	22	—	—	—	—
	a Tunbridge Wells	354	58	17th	35	15th	54·0	41·4	47·5	+ 6·1	4	0·77	20	+ 8	Wisley	5·5	+ 1·9	46	2	21	46·1	+4·5	44·9	+1·7
	a Margate	51	58	17th	37	19th	55·4	43·6	49·3	+ 7·0	3	0·20	5	- 2	Tunbridge Wells	4·7	+ 0·8	40	2	27	46·3	+6·7	45·1	—
															Margate	5·7	+ 1·8	48	0	33	46·9	+4·4	46·1	+2·5
	t Dungeness	21	53	16th	41	15th	52·1	44·4	48·1	+ 6·6	3	0·67	17	+ 9	Folkestone	5·5	—	46	—	—	—	—	46·4	—
	p St. Leonards	178	53	15th	39	15, 19	51·4	43·6	47·4	+ 5·2	4	0·42	11	+ 1	St. Leonards	5·5	+ 1·3	47	1	30	46·8	—	45·1	—
	p Southampton	64	55	14, 17, 19	34	15th	54·1	40·6	47·2	+ 3·8	6	0·59	15	+ 4	Southampton	3·5	- 0·4	30	2	24	—	—	—	—
	a Ventnor	59	53	14, 15	41	18th	51·9	44·3	48·0	+ 4·2	5	0·48	12	+ 2	Ventnor	4·9	+ 0·5	42	—	—	—	—	—	—
LONDON	a Richmond (Kew Obs.)	18	57	17th	37	15, 16	54·3	40·7	47·3	+ 5·1	4	0·30	8	0	Richmond	5·0	+ 1·7	42	1	25	46·0	+4·2	45·1	+1·3
	a Westminster	27	59	17th	37	15th	55·0	43·6	49·1	+ 6·2	4	0·31	8	0	Westminster	5·2	+ 2·8	44	0	31	—	—	—	—
	ag Greenwich	149	61	17th	36	15th	56·6	42·1	49·1	+ 6·3	5	0·37	9	0	Greenwich	5·9	+ 2·8	50	2	29	—	—	—	—
	a Hampstead	450	57	17th	35	19th	53·1	41·0	46·9	—	4	0·33	8	—	Hampstead	4·0	—	34	—	—	—	—	—	—
	ag Camden Square	110	60	17th	37	15th	56·6	42·7	49·4	+ 6·8	4	0·30	8	- 1	Camden Square	—	—	—	1	30	—	—	—	—
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	51	17th	33	18th	48·7	37·9	43·1	+ 2·7	7	1·85	47	+ 31	Aspatria	2·1	- 1·4	18	0	32	42·3	+0·5	43·0	-0·4
	p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
	p Stonyhurst	375	52	16, 17	36	15th	49·6	39·3	44·3	+ 3·9	7	1·48	38	+ 19	Stonyhurst	1·8	- 1·5	15	0	31	—	—	—	—
	a Blackpool	66	55	17th	36	15th	51·1	40·7	45·8	+ 4·6	7	1·30	33	+ 21	Blackpool	2·1	- 1·9	18	0	32	44·4	—	44·8	—
	a Southport	37	56	17th	36	15th	52·1	40·1	45·9	+ 4·4	7	1·11	28	+ 16	Southport	2·8	- 1·0	24	0	32	43·3	+2·5	43·7	+1·9
															Hoylake	3·8	+ 0·3	33	—	—	—	—	—	—
	t Liverpool (Bidston)	188	55	16th	35	15th	51·1	40·1	45·4	+ 3·4	5	0·47	12	+ 2	Liverpool	2·4	—	21	0	31	—	—	—	—
	a Hawarden Bridge	22	59	16th	35	15th	53·0	39·8	46 3	+ 3·6	7	0·84	9	+ 1	Manchester (City	1·8	- 0·7	15	0	37	43·1	+3·2	44·3	+1·5
	p Manchester (Whit. Pk.	125	55	17th	37	15, 18	51·6	40·3	45·8	+ 3·5	6	0·73	19	+ 7	Whitworth Park	1·9	- 0·3	16	—	—	—	—	—	—
b, NORTH WALES.																							
	p Llandudno	22	58	16th	38	15th	53·1	41·1	46·9	+ 3·9	7	0·72	18	+ 7	Llandudno	3·4	- 0·4	29	—	—	—	—	—	—
	t Holyhead	15	52	17th	39	18th	49·9	42·9	46·3	+ 3·6	7	1·70	43	+ 29	Holyhead	1·7	—	15	0	36	—	—	—	—
	a Aberdovey	60	53	15, 17	39	15th	51·6	42·9	47·1	—	7	1·73	44	—	Aberdovey	2·1	- 1·7	18	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the peroids 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hour ending in the evening.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date	Mean for the Week.			Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max	Of Daily Min	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean.	Deviation from average	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	16	54	17th	41	14, 15, 19	49·7	42·9	46·2	—	6	1·31	33	—	Aberystwyth ..	2·0	- 1·6	17	—	—	—	—	—	—
a Rhayader	757	52	16th	34	15th	48·7	38·1	43·2	—	7	2·17	55	—	Rhayader ..	1·6	—	14	1	30	—	—	—	—
t St. Ann's Head	149	50	15–17	42	18, 19	49·1	43·7	46·3	+ 3·5	7	0·98	25	+ 12	St. Ann's Head	2·3	- 1·7	19	—	—	—	—	—	—
p Cardiff	202	53	17th	36	18th	50·3	40·1	45·1	+ 3·2	7	1·19	30	+ 15	Cardiff	1·8	—	15	3	27	44·8	+ 3·0	45·4	+ 2·0
b. ENGLAND, S.W.																							
a Bath	66	54	17th	30	15th	52·1	39·3	45·5	+ 3·3	7	0·79	20	+ 9	Bath	3·1	- 0·6	27	—	—	45·5	+ 3·8	45·9	+ 2·4
a Shaftesbury	722	50	14, 17–19	34	18th	49·6	39·3	44·3	+ 3·6	5	0·63	16	+ 5	Shaftesbury ..	—	—	—	—	—	45·5	—	45·2	—
a Arlington	613	52	16, 17	35	15, 18	49·1	39·0	43·9	+ 2·7	7	1·72	44	+ 25										
a Newquay	190	55	16, 17	38	15th	52·3	42·4	47·2	+ 3·1	7	1·27	32	+ 20	Newquay ..	2·1	- 2·1	17	—	—	46·5	—	47·4	—
a Cullompton	202	53	17th	32	15th	51·7	38·3	44·8	+ 2·3	7	1·03	26	+ 13	Cullompton ..	1·4	- 2·3	12	3	24	45·2	—	—	—
t Portland Bill .. .	19	52	13th	42	14, 18	50·4	44·1	47·2	+ 3·9	6	0·42	11	+ 1	Weymouth ..	3·5	—	30	—	—	—	—	—	—
p Plymouth	116	52	17, 19	38	18th	51·0	42·9	46·8	+ 2·9	7	0·82	21	+ 7	Plymouth ..	1·4	- 2·7	12	0	32	46·3	+ 2·3	47·1	—
a Falmouth	167	53	16th	36	15th	51·6	41·7	46·5	+ 2·3	7	1·52	39	+ 22	Falmouth ..	2·1	- 2·2	17	0	32	46·6	—	48·0	—
9. IRELAND. N.																							
a West .. t Malin Head	208	52	17th	35	18th	49·0	38·7	43·7	+ 1·6	5	0·57	15	+ 3	Malin Head ..	4·2	—	36	—	—	—	—	—	—
a West .. t Blacksod Point ..	10	52	15, 19	33	18th	48·1	37·9	42·9	- 0·6	7	0·98	25	+ 5	Mallarany ..	—	—	—	—	—	—	—	—	—
a West .. a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	3·1	- 0·1	26	4	28	43·6	+ 0·4	45·0	+ 0·7
a West .. p Markree Castle ..	122	55	16th	33	18th	51·4	36·9	43·9	+ 2·1	7	1·02	26	+ 9										
b. East .. p Armagh	204	55	15th	33	18th	50·3	36·9	43·4	+ 1·5	7	1·09	28	+ 16	Armagh	3·8	+ 0·7	32	0	32	43·0	+ 1·3	44·5	+ 1·2
b. East .. t Donaghadee ..	35	53	16th	31	18th	49·7	37·4	43·4	+ 1·1	7	1·54	39	+ 28										
10. IRELAND, S.																							
p Dublin, City	54	58	15th	35	14th	52·3	39·6	45·8	+ 2·1	7	0·89	23	+ 14	Trinity Coll. ..	4·7	—	40	0	32	44·8	+ 2·0	46·1	+ 1·8
Birr Castle	175	54	15, 17	34	18th	50·6	38·4	44·3	+ 2·4	7	0·95	24	+ 12	Phœnix Park ..	4·4	+ 0·9	38	1	30	—	—	—	—
a Kilkenny	195	57	15th	33	15, 18	52·6	38·1	45·1	+ 2·6	7	1·47	37	+ 26	Dublin City ..	—	—	—	0	31	—	—	—	—
a Waterford	137	55	15th	35	15, 18, 19	52·4	40·0	46·0	+ 2·3	7	1·74	44	+ 31	Birr Castle ..	3·2	+ 0·1	27	3	26	—	—	—	—
p Seskin, Carrick-on-Suir	542	54	15th	30	19th	50·0	33·4	42·5	—	7	2·13	54	—	Seskin	3·5	—	30	2	28	—	—	—	—
a Cahir	193	56	15th	30	15th	51·7	36·0	43·6	+ 0·8	7	0·80	20	—										
a Foynes	50	56	15th	35	15, 18	52·9	38·1	45·3	+ 1·5	7	1·15	29	+ 15										
Cahirciveen (Val. Obs.)	30	58	15th	38	14, 18	51·1	41·3	46·1	+ 1·1	7	1·93	49	+ 27	Cahirciveen ..	3·9	+ 0·4	33	0	33	—	—	—	—
a Killarney	174	57	15th	36	18th	53·6	40·2	46·7	+ 2·6	7	2·02	51	+ 28	Ballinacurra ..	3·6	- 0·4	30	—	—	—	—	—	—
t Roche's Point	32	54	19th	38	18th	51·1	42·7	46·8	+ 2·5	7	1·46	37	+ 23										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	54	16, 17	40	18th	51·7	44·1	47·8	+ 1·9	7	0·92	23	+ 12	Scilly	3·2	- 1·5	27	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	56	14, 15	44	15, 18, 19	53·6	46·0	49·7	+ 4·8	6	0·62	16	+ 5	St. Heliers ..	4·3	- 0·6	37	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	55	16th	41	18th	52·9	44·6	48·6	+ 3·2	6	0·93	24	+ 12	Guernsey† ..	3·9	- 1·1	33	0	31	47·1	+ 2·1	47·4	+ 1·5

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 19th, 1921.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	16	2	12, 13, 15 to 18	65	77	24	0	0	220	20	16	13	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	12	87	9	60	200	8	16	11	20	16	8	30
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	47	116	5	0	{220 / 210}	10	16	{13 / 14}	—	—	—	—
Edinburgh	485	39	31	15, 16	5	15, 16, 18, 19	17	112	34	0	0	180	19	15	12	30	16	7	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	15, 16	6	13, 15 to 19	39	84	37	2	0	180	21	16	9	30	16	9	20
Paisley	188	81	15	—	0	15 to 17	14	87	60	7	0	190	16	15	11	31	15	10	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	15, 16	5	58	96	9	0	200	13	16	9	22	16	9	15
South Shields	72	61	12	—	0	16, 18	4	95	64	5	0	290	13	18	13	22	16	11	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	13 to 16	24	111	32	1	0	200	14	14	15	19	16	16	25
Shoeburyness	103	90	‡	—	0	14, 16	9	108	51	0	0	190	13	14	15	18	14	15	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	13 to 16	24	103	39	2	0	180	15	14	14	23	14	13	55
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	95	64	9	0	—	9	14	12	16	18	3	30
Larkhill, S'y Plain ..	513	63	43	—	0	13 to 19	65	81	22	0	9	210	17	14	1.	21	14	13	10
Richmond (Kew Obs.)..	82	65	22	—	0	16	1	87	76	4	0	190	11	16	12	21	14	12	40
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	15, 16, 18, 19	16	132	20	0	0	250	15	19	5	—	—	—	—
Southport	80	62	48	—	0	14, 16, 18, 19	41	114	13	0	0	220	16	19	5	22	18	20	10
Holyhead	60	40	‡	—	0	13 to 19	61	106	1	0	0	180	15	16	7	24	16	6	5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	13 to 16	22	13 to 19	62	60	24	0	0	190	20	14	7	33	14	7	5
Plymouth	185	88	2	13, 14, 16	14	13 to 17	54	63	37	0	0	—	20	14	9	30	14	8	55
Lyme Regis	556	61	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	15 to 19	41	81	45	1	0	230	16	18	10	—	—	—	—
Quilty	100	40	‡	16	2	15 to 19	82	82	2	0	0	—	18	16	5?	29	16	24	35
Cahirciveen (Val Obs.)	98	41	‡	—	0	14 to 18	63	112	14	2	0	180	17	15	4	28	16	4	40
Weaver Pt.	160	30	‡	15, 16	4	15 to 17, 19	37	82	45	0	0	—	18	16	5	27	16	6	30
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

ELEVENTH WEEK of 1921—March 13th to March 19th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	30	81·9	75·4	78·6	+ 1·7	25	+ 16	16	−15	6	+ 1	1·68	43	+ 17	1·3	−1·9	11	1003
Eastern.																			
1. SCOTLAND, EAST ...	56	31	82·4	75·3	78·7	+ 1·7	26	+ 13	16	−19	6	+ 2	1·06	27	+ 13	3·9	+0·3	33	1007
2. ENGLAND, N.E.	57	32	84·3	76·9	80·5	+ 2·6	37	+ 18	8	−19	6	+ 2	0·26	7	− 2	3·8	−0·1	33	1014
3. ENGLAND, EAST ...	62	30	85·4	77·9	81·6	+ 3·5	43	+ 20	3	−25	3	0	0·34	9	+ 1	5·5	+1·7	47	1020
4. MIDLAND COUNTIES ...	57	32	83·9	76·8	80·2	+ 2·0	34	+ 10	9	−19	6	+ 3	0·59	15	+ 6	3·1	−0·4	26	1018
5. ENGLAND, S.E.	58	30	84·8	78·3	81·4	+ 2·7	39	+ 16	1	−20	5	+ 2	0·49	12	+ 2	5·0	+1·1	42	1021
Western.																			
6. SCOTLAND, WEST ...	54	30	82·2	76·2	79·1	+ 1·2	25	+ 10	12	−12	7	+ 3	2·31	59	+ 40	2·1	−1·3	18	1009
7. ENGLAND, N.W.	59	33	83·6	77·6	80·5	+ 2·2	32	+ 14	5	−16	7	+ 3	1·06	27	+ 14	2·6	−0·8	22	1013
8. ENGLAND, S.W.	54	30	83·2	77·8	80·4	+ 1·5	29	+ 5	4	−13	7	+ 3	1·13	29	+ 15	2·0	−1·8	17	1018
9. IRELAND, NORTH ...	55	31	82·9	76·2	79·4	+ 0·6	29	+ 9	12	− 8	7	+ 2	1·03	26	+ 11	3·4	+0·4	29	1006
10. IRELAND, SOUTH ...	58	30	84·1	77·1	80·5	+ 1·1	35	+ 8	7	− 8	7	+ 3	1·37	35	+ 20	3·8	+0·4	32	1012
11. ENGLISH CHANNEL ...	56	40	84·5	80·2	82·3	+ 1·9	47	+ 16	0	− 6	6	+ 2	0·82	21	+ 10	3·8	−1·1	32	1021
MEAN: DISTRICTS 1-10 ...	62	30	83·7	77·0	80·2	+ 1·9	33	+ 12	8	−16	6	+ 2	0·96	25	+ 12	3·5	−0·1	30	1014

THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks, February 27th to March 19th, 1921.

0. SCOTLAND, NORTH ..	55	16	80·6	74·7	77·5	+ 0 9	38	+ 15	70	− 30	17	+ 2	5·19	132	+ 53	1·5	−1·2	13	1005
Eastern.																			
1. SCOTLAND, EAST ...	59	8	81·0	74·5	77·6	+ 1·0	43	+ 13	74	− 39	14	+ 1	2·16	55	+ 12	3·2	+0·1	28	1008
2. ENGLAND, N.E.	59	26	83·2	76·2	79·6	+ 2·2	93	+ 48	35	− 53	12	0	0·58	15	− 18	3·1	−0·3	28	1014
3. ENGLAND, EAST ...	62	26	84·0	75·9	79·9	+ 2·3	110	+ 55	40	− 52	8	− 3	0·70	19	− 10	3·9	+0·5	34	1019
4. MIDLAND COUNTIES ...	59	27	83·1	76·0	79·4	+ 1·8	92	+ 35	39	− 55	12	+ 1	0·98	25	− 8	2·9	−0·1	26	1018
5. ENGLAND, S.E.	59	22	83·8	76·4	79·9	+ 1·7	103	+ 44	32	− 41	12	+ 1	0·89	22	− 15	3·7	+0·3	33	1020
Western.																			
6. SCOTLAND, WEST ...	54	19	81·3	75·9	78·5	+ 1·0	53	+ 17	47	− 33	18	+ 5	4·77	121	+ 57	2·1	−0·9	19	1011
7. ENGLAND, N.W.	59	21	82·6	77·0	79·7	+ 1·9	79	+ 36	25	− 48	15	+ 3	1·97	50	+ 4	2·6	−0·4	23	1015
8. ENGLAND, S.W.	56	23	82·9	76·6	79·7	+ 1·2	87	+ 27	29	− 31	16	+ 4	1·98	50	− 5	3·0	−0·4	26	1019
9. IRELAND, NORTH ...	55	23	82·4	76·4	79·3	+ 0·9	78	+ 26	32	− 34	17	+ 2	2·44	62	+ 10	2·7	−0·2	24	1009
10. IRELAND, SOUTH ...	58	23	83·5	77·0	80·1	+ 1·1	95	+ 24	23	− 28	16	+ 4	2·51	64	+ 9	2·9	−0·4	26	1014
11 ENGLISH CHANNEL ...	56	33	83·9	78·7	81·3	+ 1·3	111	+ 31	5	− 18	12	− 1	1·23	32	− 14	4·4	+0·2	39	1020
MEAN: DISTRICTS 1-10 ...	62	8	82·8	76·2	79·4	+ 1·5	83	+ 33	38	− 41	14	+ 2	1·90	48	+ 4	3·0	−0·2	27	1014

THE YEAR 1921.—Aggregates, &c., for the Period of 11 Weeks, January 2nd to March 19th, 1921.

0. SCOTLAND, NORTH ...	56	16	80·5	74·9	77·8	+ 1·4	141	+ 65	252	−133	56	0	16·66	424	+ 94	1·2	−0·5	14	1009
Eastern.																			
1. SCOTLAND, EAST ...	59	8	80·6	74·3	77·4	+ 1·3	126	+ 40	312	−135	43	− 2	6·75	170	+ 13	2·3	+0·1	25	1012
2. ENGLAND, N.E.	59	22	81·9	75·8	78·9	+ 2·1	242	+127	186	−175	36	− 6	3·14	81	− 29	2·0	−0·3	22	1016
3. ENGLAND, EAST ...	62	23	82·5	75·9	79·3	+ 2·5	303	+172	161	−224	32	−10	2·81	73	− 35	2·6	+0·1	28	1019
4. MIDLAND COUNTIES ...	60	23	82·0	76·0	79·0	+ 2·2	250	+108	181	−215	35	− 7	3·54	91	− 36	1·8	−0·4	19	1018
5. ENGLAND, S.E.	62	22	82·6	76·8	79·7	+ 2·2	305	+146	117	−188	38	− 3	3·58	91	− 47	2·4	0·0	24	1020
Western.																			
6. SCOTLAND, WEST ...	55	19	81·2	76·0	78·6	+ 1·4	184	+ 72	177	−133	55	+ 4	13.56	344	+ 76	1·6	−0·4	18	1014
7. ENGLAND, N.W.	60	20	81·9	76·8	79·4	+ 2·0	254	+131	116	−180	44	− 1	7·12	180	+ 2	2·0	−0·1	21	1017
8. ENGLAND, S.W.	59	22	82·4	77·2	79·8	+ 1·7	302	+116	97	−142	44	− 2	6·08	154	− 58	2·1	−0·3	22	1019
9. IRELAND, NORTH ...	56	23	82·3	76·9	79·6	+ 1·6	291	+131	107	−152	52	− 2	7·76	197	− 8	1·8	−0·3	19	1013
10. IRELAND, SOUTH ...	60	23	83·1	77·4	80·2	+ 1·5	346	+115	89	−114	52	+ 3	8·21	209	− 18	1·9	−0·5	20	1017
11. ENGLISH CHANNEL ...	56	32	83·3	79·3	81·3	+ 1·5	408	+135	22	− 71	46	− 5	4·36	111	− 69	2·7	−0·3	28	1020
MEAN: DISTRICTS 1-10 ...	62	8	82·1	76·3	79·2	+ 1·9	260	+116	154	−166	43	− 3	6·26	159	− 14	2·1	−0·2	22	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
24th March, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. *Vol. XXXVIII. (New Series.)* } No. 12.

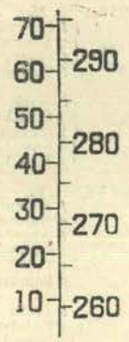
TWELFTH WEEK.

SUNDAY, MARCH 20TH, TO SATURDAY, MARCH 26TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was changeable and unsettled, with rain, hail and snow showers in many places. On Thursday and Friday, however, fine weather was experienced over the eastern and southern parts of the country. The winds varied between south-west and north-west and reached the force of a gale in Scotland. Mean temperature was in excess of the normal in all districts by about 3a. The highest of the maxima occurred generally on the 24th when readings as high as 292a were recorded in London and at several places in the eastern parts of England, although in many parts of Scotland and the north-west of England the maximum temperature for the week did not rise above 285a. Minima below the freezing point were registered in most districts, the lowest in the screen being 269a at Balmoral and Fort Augustus and 271a at Durham and Dungeness while on the grass a reading as low as 263a was reported at Wisley (Surrey) on the 25th. Precipitation was below the normal in all districts with the exception of Scotland N. and W. and England N.W.; the heaviest falls were 39mm. at Fort William and 14mm. at Ford (Argyll) on the 23rd, while in the south of Ireland, Cahirciveen (Valencia Observatory) had 15mm. on the 24th; at a few stations, however, the week was almost rainless. Thunder and lightning occurred at Yarmouth on the 20th and at Liverpool on the 26th. The daily mean of bright sunshine was below the normal in most districts, though good records were obtained over England generally on the 24th and 25th when 10 or 11 hours were registered; the largest amounts were about 11½ hours at St. Leonards, Worthing, Falmouth and other places in the south and south-west of England. Solar halos were observed at Richmond (Kew Observatory) on the 21st, St. Leonards on the 23rd and at Ross-on-Wye on the 26th and lunar halos at Aberdeen, Crathes (Kincardine), Richmond and London on the 22nd and at Oxford on the 26th. The Zodiacal Light was seen at Tenbury on the 20th, at Raunds (Northampton) and Ross-on-Wye on the 26th and at Oxford on the 25th and 26th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s.	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	23	4·9	25	5·2	13	2·7	18	3·3	17	6·7			20	5·0	14	5·9
North	4	4·1	1	6·6	8	3·1	7	2·5	10	3·3			4	3·3	13	2·6
West	27	7·1	27	5·6	20	4·0	26	2·6	26	5·3			22	5·5	18	4·6
East	1	3·9	0	—	1	1·0	0	—	0	—			1	1·2	7	1·1
Calm	0	—	0	—	7	—	2	—	0	—			1	—	1	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c, is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ...	Heavy	Moderate	Light	Light	Moderate	Light	Moderate	Moderate	Light	Moderate	Moderate	Light
Sunshine ...	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 4 weeks from February 27th, 1921. Warmth ..	3, 1, 0	3, 1, 0	4, 0, 0	4, 0, 0	4, 0, 0	4, 0, 0	3, 1, 0	4, 0, 0	4, 0, 0	4, 0, 0	4, 0, 0	4, 0, 0
Rainfall ...	4, 0, 0	2, 1, 1	0, 0, 4	0, 2, 2	1, 2, 1	0, 2, 2	2, 2, 0	1, 2, 1	1, 2, 1	1, 3, 0	1, 3, 0	1, 1, 2
Sunshine ...	0, 2, 2	0, 3, 1	0, 4, 0	2, 2, 0	0, 3, 1	2, 2, 0	0, 1, 3	1, 1, 2	0, 3, 1	0, 2, 2	0, 2, 2	1, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 9/5° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32685—19) Wt. 500 4/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands.. *t* Lerwick	54	52	24th	35	26th	47·7	36·9	42·1	+ 3·5	7	1·85	47	+ 30										
p Deerness, Orkney ..	165	55	24th	36	26th	49·4	38·1	43·6	+ 4·4	7	0·93	24	+ 9	Deerness ..	3·8	+ 0·5	32	—	—	—	—	—	—
t Stornoway	51	54	24th	37	20, 25	49·4	40·9	45·0	+ 5·1	7	1·59	40	+ 17	Stornoway ..	2·7	- 0·8	22	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	52	24th	40	20, 26	47·6	43·3	45·4	—	6	0·45	12	—	Castlebay ..	4·1	—	33	—	—	—	—	—	—
b. Mainland. *t* Wick	81	59	24th	34	26th	50·7	37·3	43·8	+ 4·4	4	0·30	8	- 5										
a Strathpeffer	125	59	24th	36	20, 23	52·6	39·6	45·9	+ 6·2	3	0·40	10	- 5										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus.. ..	68	55	24th	25	23rd	52·6	34·3	43·2	+ 3·3	7	1·47	37	+ 17										
p Fort William	171	53	24th	34	26th	49·7	39·6	44·5	+ 3·7	7	3·88	99	+ 63										
1. SCOTLAND, E.																							
t Nairn	82	60	21, 24	34	26th	52·3	37·3	44·6	+ 4·7	4	0·30	8	- 3	Nairn	6·0	—	49	—	—	—	—	—	—
p Gordon Castle	101	63	24th	35	26th	54·4	38·6	46·3	+ 5·8	3	0·41	10	- 3	Gordon Castle..	5·1	—	42	—	—	—	—	—	—
t Aberdeen	46	60	21st	33	26th	53·4	39·1	46·0	+ 5·6	2	0·18	4	- 10	Aberdeen ..	4·4	+ 0·2	36	1	22	—	—	42·1	+1·9
a Balmoral	930	56	24th	25	26th	50·1	35·9	42·8	+ 6·4	2	0·13	3	- 14	Balmoral ..	—	—	—	2	22	—	—	—	—
p Crieff	432	57	21st	29	23rd	50·6	34·0	42·1	+ 1·6	5	0·45	11	- 7	Crathes	4·3	+ 0·3	35	1	25	40·3	+1·5	40·7	+1·5
a Dundee	244	54	21, 23, 24	29	26th	52·0	37·4	44·5	+ 4·3	3	0·09	2	- 10	Dundee	3·4	—	28	4	20	42·0	—	—	—
t Leith	30	57	21st	37	26th	51·9	41·0	46·3	+ 4·6	4	0·13	3	- 7	Leith	—	—	—	1	28	—	—	—	—
p Edinburgh	441	55	21st	35	26th	50·7	39·9	45·1	+ 4·9	4	0·12	3	- 7	Edinburgh ..	4·0	- 0·0	33	0	33	—	—	—	—
a West Linton	769	55	26th	30	26th	51·3	36·3	43·6	+ 6·3	4	0·57	14	—	West Linton ..	—	—	—	2	24	—	—	—	—
p Marchmont	498	55	21st	32	26th	49·3	39·1	44·1	+ 4·7	4	0·12	3	- 12	Marchmont ..	3·8	0·0	31	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	52	23, 24	35	23rd	49·8	39·2	44·3	—	7	1·74	44	—	Ford (Argyll) ..	—	—	—	1	30	43·5	—	42·3	—
r Glasgow Observatory	180	53	21st	37	26th	50·3	41·6	45·8	+ 4·8	5	0·50	13	- 2	Glasgow.. ..	2·8	- 0·3	23	0	31	—	—	—	—
t Renfrew..	49	55	21st	34	26th	51·3	41·3	46·2	—	5	0·46	12	—	Renfrew ..	3·3	—	27	2	25	—	—	—	—
p Rothesay	200	53	21, 22, 24	35	26th	51·1	39 4	45·1	+ 3·5	7	0·91	23	+ 3	Rothesay ..	2·8	—	23	1	28	43·7	—	43·4	+1·0
a Kilmarnock	90	54	21st	34	26th	51·0	41·1	45·9	+ 5·4	4	0·52	13	- 2	Kilmarnock ..	2·4	—	20	—	—	43·9	—	43·3	—
a Colmonell	170	57	21st	39	26th	51·1	42·1	46·5	+ 5·4	5	0·92	23	+ 5	Colmonell ..	—	—	—	1	30	—	—	—	—
p Dumfries	160	54	21st	35	26th	50·9	39·6	45·1	+ 3·9	6	0·80	20	+ 5	Dumfries ..	2·5	—	20	3	27	44·1	+3·2	43·5	+1·6
t Eskdalemuir	794	50	20th	29	23rd	46·4	36·7	41·4	—	6	1·50	38	—	Eskdalemuir ..	2·2	—	18	1	30	—	—	—	—
b. I. OF MAN *p* Douglas	284	55	21st	38	25, 26	49·7	40·6	45·0	+ 3·2	7	0·65	17	+ 1	Douglas	3·1	- 1·5	26	0	34	—	—	—	—
2. ENGLAND, N.E																							
a Alnwick Castle ..	210	57	21st	35	23, 26	52·8	40·3	46·4	+ 5·9	4	0·14	4	- 9										
t Tynemouth	118	59	24th	35	23rd	52·4	41·9	47·0	+ 6·2	3	0·28	7	- 3	Cockle Park ..	3·4	- 1·1	28	3	25	43·2	+4·3	42·8	+2·5
p Durham	336	57	21st	28	23rd	51·4	35·6	43·3	+ 2·9	4	0·22	6	- 4	Durham ..	3·6	- 0·5	29	2	20	—	—	—	—
a North .. *p* Rounton	249	59	24th	32	21st	52·7	37·6	44·9	+ 4·7	2	0·30	8	- 2	Rounton ..	—	—	—	5	22	43·7	—	—	—
a West Witton	605	54	24th	31	23rd	51·0	40·0	45·3	—	4	0·44	11	—	West Witton ..	—	—	—	3	27	42·4	—	42·0	—
p Scarborough	118	64	24th	37	21st	55·4	42·1	48·6	+ 6·9	4	0·16	4	- 6	Scarborough† ..	3·5	- 0·9	29	—	—	—	—	45·4	—
p York	66	63	24th	35	21st	53·9	41·3	47·4	+ 5·5	3	0·20	5	- 5	York	2·8	- 0·9	23	—	—	44·5	+3·4	44·2	+2·4
b. South .. *t* Spurn Head	26	57	24th	37	21st	52·4	40·4	46·2	+ 4·8	2	0·18	5	- 3	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	58	64	24th	33	21st	56·1	41·0	48·3	+ 6·3	2	0·08	5	- 7	Lincoln	—	—	—	1	28	45·1	+5·0	44·7	+3·2
a Fulbeck	180	63	24th	33	21st	55·0	40·7	47·6	+ 5·7	5	0·18	5	- 5	Fulbeck	4·0	- 0·5	33	2	26	—	—	—	—
														Skegness ..	4·8	- 0·1	39	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	65	24th	35	21, 26	54·6	39·1	46·6	+ 5·1	2	0·04	1	- 9	Cromer	6·5	+ 1·9	53	—	—	—	—	—	—
a Little Massingham ..	277	63	24th	31	21st	53·9	38·4	45·9	+ 4·4	2	0·07	2	- 12	Lit. Massingham	4·6	+ 0·5	38	—	—	—	—	—	—
t Yarmouth	13	66	24th	35	21st	56·0	41·1	48·3	+ 7·3	2	0·13	3	- 9	Yarmouth ..	7·1	—	58	0	33	47·1	+4 6	46·9	+2·8
a Norwich	93	66	24th	33	21st	56·3	39·7	47·8	+ 5·8	2	0·17	4	- 10	Norwich ..	6·1	—	50	3	26	45·5	—	—	—
a Geldeston	37	67	24th	31	21st	58·3	37·9	47·8	+ 6·0	2	0·11	3	- 9	Geldeston ..	6·6	+ 2·2	54	—	—	—	—	—	—
p Cambridge	41	67	24th	30	21st	56·6	38·0	47·0	+ 4·9	1	0·03	1	- 9	Cambridge ..	4·8	+ 0·5	39	3	22	46·8	+4·3	46·2	+2·6
t Clacton-on-Sea ..	54	59	24th	37	26th	54·4	41·4	47·7	+ 6·3	2	0·05	1	- 9	Clacton	6·5	+ 1·9	53	2	29	47·1	+4·1	47·0	+2·4
a Rothamsted	420	63	24th	30	25th	54·6	37·4	45·8	+ 4·5	1	0·03	1	- 13	Rothamsted ..	4·6	+ 0·5	38	4	19	44·7	—	—	—
p Tottenham	61	66	24th	35	26th	57·1	40·9	48·8	—	1	0·07	2	—	Tottenham ..	3·9	—	32	0	32	—	—	46·4	+2·4
														S'thend-on-Sea	6·2	—	51	0	31	47·6	+5·7	—	—
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	54	24th	35	21st	50·9	41·4	46·0	+ 6·1	4	0·39	10	- 2	Harrogate ..	3·3	- 0·8	27	1	26	43·7	+3·8	43·4	+2·6
p Sheffield	429	64	24th	38	26th	54·6	42·7	48·5	—	3	0·26	7	—	Sheffield.. ..	3·6	0·0	29	0	34	44·2	+4·1	43·5	+2·3
p Buxton	987	59	24th	38	20, 21, 26	50·0	40·6	45·2	+ 6·9	4	0·50	13	- 9	Buxton	2·7	—	22	0	33	43·3	+3·7	42·6	+1·5
b. East .. *a* Worksop	56	66	24th	31	21st	58·4	40·6	49·2	+ 7·6	3	0·22	6	- 4	Worksop ..	3·5	- 0·1	29	3	24	46·0	—	44·9	—
t Nottingham	82	64	24th	35	21st	55·1	42·4	48·6	+ 7·2	3	0·21	5	- 4	Nottingham ..	2·9	- 0·9	24	1	28	45·1	+4·8	43·9	+3·2
p Birmingham, Edgbsn.	525	63	24th	38	20, 21, 25	54·3	41·3	47·6	+ 6·4	1	0·04	1	- 10	Birmingham ..	2·7	- 0·3	22	1	28	44·7	+3·8	45·1	+1·7
a Raunds	203	65	24th	32	21st	55·3	38·3	46·6	+ 5·2	2	0·04	1	- 8	Raunds	4·3	—	35	2	28	44·8	—	—	—
p Oxford	208	64	24th	35	26th	56·0	40·4	48·0	+ 5·9	2	0·03	1	- 9	Oxford	4·1	+ 0·2	34	2	27	—	—	—	—
														Malvern	4·7	—	38	1	30	45·6	—	45·0	—
a Cheadle (N. Staffs.) ..	646	61	24th	35	21st	52·3	40·9	46·4	+ 6·2	4	0·33	9	- 4	Cheadle	—	—	—	0	33	—	—	—	—
c. West .. *p* Tenbury	313	61	24th	32	21st	55·4	40·9	47·9	+ 6·2	4	0·14	4	- 5	Tenbury	—	—	—	2	27	45·9	—	—	—
a Hereford	291	62	24th	30	25th	54·3	40·3	47·1	+ 5·0	3	0·30	8	- 2	Ross-on-Wye ..	4·3	—	36	2	24	46·9	—	45·8	—
a Clifton	226	61	24th	38	21, 22	55·4	41·6	48·3	+ 5·6	4	0·19	5	- 9	Clifton	5·2	—	42	0	33	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	62	24th	30	21, 26	55·1	35·9	45·2	+ 4·4	4	0·07	2	- 13	Worthing ..	7·9	+ 3·0	65	1	28	47·8	+4·3	46·9	+2·1
a Porton	340	61	24th	28	21, 26	55·0	34·7	44·7	—	1	0·06	2	—	Marlborough ..	3·7	0·0	30	3	25	46·4	—	46·4	—
a Wisley, Surrey ..	150	65	24th	30	25th	56·9	37·3	46·8	+ 4·8	0	0·00	0	- 11	Porton	—	—	—	4	23	—	—	—	—
a Tunbridge Wells ..	354	65	25th	32	25th	57·7	38·0	47·6	+ 5·9	1	0·05	1	- 13	Wisley	5·1	+ 1·0	42	5	14	45·8	+3·6	46·0	+2·5
a Margate	51	61	24th	40	21, 25	55·6	41·9	48·6	+ 6·0	2	0·11	3	- 7	Tunbridge Wells	6·5	+ 2·0	53	4	22	47·1	+6 3	46·2	—
														Margate	6·7	+ 2·3	55	0	35	47·5	+4·5	47·1	+3·3
t Dungeness	21	55	24-26	28	25th	53·4	38·0	45·5	+ 3·7	1	0·04	1	- 10	Folkestone ..	7·1	—	58	—	—	—	—	46·5	—
p St. Leonards	178	57	25, 26	38	21st	53·6	42·3	47·8	+ 5·3	3	0·13	3	- 10	St. Leonards ..	7·5	+ 2·7	61	1	30	47·6	—	46·1	—
p Southampton	64	62	24, 25	30	25th	56·1	37·1	46·3	+ 2·6	2	0·04	1	- 13	Southampton ..	4·5	+ 0·1	37	4	24	—	—	—	—
a Ventnor	59	58	24, 25	37	25th	54·7	41·9	48·1	+ 4·1	1	0·02	0·4	- 12	Ventnor	6·2	+ 1·2	51	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	63	24th	34	25th	56·2	38·8	47·2	+ 4·7	1	0·04	1	- 9	Richmond	4·5	+ 0·7	37	3	23	46·2	+3·9	46·2	+2·1
a Westminster	27	67	24th	34	25th	57·6	40·2	48·6	+ 5·4	1	0·05	1	- 9	Westminster ..	4·2	+ 1·4	35	3	26	—	—	—	—
ag Greenwich	149	67	25th	33	21st	58·1	38·4	48·0	+ 4·6	2	0·07	2	- 7	Greenwich ..	5·2	+ 1·8	42	3	20	—	—	—	—
a Hampstead	450	64	24th	35	21st	55·0	40·0	47·3	—	2	0·05	1	—	Hampstead ..	4·8	—	40	—	—	—	—	—	—
ag Camden Square ..	110	69	25th	34	21st	59·6	39·7	49·4	+ 6·3	1	0·02	1	- 10	Camden Square	—	—	—	2	27	—	—	—	—
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	21, 22	35	23, 26	48·3	38·0	43·0	+ 2·4	6	1·04	27	+ 11	Aspatria.. ..	1·8	- 2·4	14	0	32	43·3	+1·4	43·4	−0·1
p Newton Rigg	559	53	21st	31	23rd	50·0	35·4	42·5	+ 2·8	6	0·68	17	+ 2	Newton Rigg ..	3·1	- 0·9	25	—	—	—	—	—	—
p Stonyhurst	375	56	24th	36	23rd	51·0	41·4	46·1	+ 5·5	6	0·85	22	+ 3	Stonyhurst ..	2·7	- 1·1	22	0	33	—	—	—	—
a Blackpool	66	54	21, 22, 24	36	23rd	51·6	42·3	46·8	+ 5·4	6	0·25	6	- 6	Blackpool ..	3·0	- 1·6	25	0	32	46·1	—	45·2	—
a Southport	37	57	24th	38	23rd	51·4	43·6	47·4	+ 5·7	5	0·26	7	- 5	Southport ..	3·6	- 0·8	29	0	32	46·1	+4·5	44·8	+2·4
														Hoylake ..	3·5	- 0·7	29	—	—	—	—	—	—
t Liverpool(Bidston) ..	188	57	24th	39	26th	52·1	43·9	47·9	+ 5·7	3	0·24	6	- 4	Liverpool	3·0	—	25	0	34	—	—	—	—
a Hawarden Bridge ..	22	59	21, 24	39	26th	54·6	44·3	49·3	+ 6·4	4	0·23	6	- 3	Manchester(City)	2·4	- 0·5	20	0	40	44·7	+4·3	45·0	+2·1
p Manchester (Whit. Pk.)	126	64	24th	39	26th	53·7	43·8	48·5	+ 6·0	5	0·41	10	- 2	Whitworth Park	1·9	- 0·8	16	—	—	—	—	—	—
v. NORTH WALES.																							
p Llanduduno	22	56	24th	38	26th	52·3	41·9	47·0	+ 3·9	4	0·52	13	+ 2	Llandudno ..	3·3	- 1·2	27	—	—	—	—	—	—
t Holyhead	15	53	21st	41	26th	50·0	44·8	47·2	+ 4·4	6	1·38	10	- 4	Holyhead ..	2·3	—	19	0	36	—	—	—	—
a Aberdovey	60	53	24th	42	26th	50·4	46·0	48·1	—	5	0·37	9	—	Aberdovey ..	2·4	- 2·0	20	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																							
a Aberystwyth	16	54	24th	40	20th	50·0	44·1	47·0	—	4	0·38	10	—	Aberystwyth ..	2·8	- 1·5	23	—	—	—	—	—	—
a Rhayader	757	55	24th	37	21st	50·6	41·6	46·0	—	5	0·40	10	—	Rhayader ..	2·7	—	22	1	29	—	—	—	—
t St. Ann's Head ..	149	54	25th	42	26th	50·1	45·9	47·9	+ 5·2	3	0·16	4	- 10	St. Ann's Head ..	1·1	- 3·6	9	—	—	—	—	—	—
p Cardiff	202	59	24th	40	26th	51·0	43·0	48·3	+ 6·3	4	0·19	5	- 12	Cardiff	4·5	—	37	1	30	46·5	+ 4·2	45·9	+ 2·3
b. ENGLAND, S.W.																							
a Bath	66	63	24th	36	21st	56·3	42·1	49·0	+ 6·6	3	0·14	4	— 9	Bath	4·9	+ 0·5	40	—	—	46·9	+ 3·9	46·7	+ 2·8
a Shaftesbury	722	58	24th	35	21st	52·7	38·6	45·4	+ 4·4	3	0·06	1	- 13	Shaftesbury ..	—	—	—	—	—	45·7	—	45·5	—
a Arlington	613	59	24th	36	25th	52·4	41·1	46·6	+ 5·3	4	0·59	15	- 7										
a Newquay	190	59	24th	35	25th	52·8	43·7	48·1	+ 4·0	5	0·22	6	- 8	Newquay ..	4·6	- 0·2	38	—	—	48·5	—	47·8	—
a Cullompton	202	64	24th	33	26th	57·1	40·1	48·4	+ 5·7	3	0·16	4	- 11	Cullompton ..	3·7	- 0·6	31	4	26	47·0	—	—	—
t Portland Bill	19	51	23rd	40	25th	49·9	43·6	46·7	+ 3·5	0	0·00	0	- 11	Weymouth ..	4·6	—	37	—	—	—	—	—	—
p Plymouth	116	62	25th	33	25th	55·0	43·6	49·1	+ 5·1	3	0·16	4	- 12	Plymouth ..	4·4	- 0·4	36	0	32	48·0	+ 3·2	47·7	—
a Falmouth	167	59	24th	36	25th	54·9	43·4	49·0	+ 4·8	4	0·15	4	- 15	Falmouth ..	4·6	- 0·4	38	0	32	49·3	—	48·6	—
9. IRELAND, N.																							
a West .. *t* Malin Head	208	51	21, 24	40	20th	48·6	43·6	46·0	+ 4·2	6	0·61	15	+ 2	Malin Head ..	3·1	—	25	—	—	—	—	—	—
t Blacksod Point ..	10	55	26th	40	26th	52·0	43·3	47·5	+ 4·3	6	0·41	10	- 12	Mallarany ..	2·4	—	19	0	32	—	—	—	—
a Mallarany ..	120	52	20, 21	39	26th	50·3	42·1	46·1	—	7	1·13	29	—	Markree Castle	1·9	- 2·0	15	1	28	46·1	+ 2·7	45·3	+ 1·0
p Markree Castle ..	122	59	21st	34	26th	51·9	40·7	46·1	+ 4.4	6	0·78	20	+ 2										
b, East .. *p* Armagh	204	57	21st	36	26th	51·9	41·7	46·7	+ 5·1	6	0·42	11	- 2	Armagh	2·5	- 1·3	21	0	32	45·3	+ 3·0	44·8	+ 1·3
t Donaghadee	35	58	21st	36	26th	51·4	41·7	46·4	+•4·4	6	0·37	9	- 3										
10. IRELAND, S.																							
p Dublin, City	54	61	24th	39	20, 26	51·1	43·4	48·6	+ 5·0	5	0·63	16	+ 5	Trinity Coll. ..	2·8	—	23	0	36	47·1	+ 3·6	46·5	+ 1·9
Birr Castle	175	56	24th	37	21, 26	51·4	41·9	46·5	+ 4·6	6	0·61	16	+ 3	Phœnix Park ..	2·7	- 1·7	22	0	32	—	—	—	—
a Kilkenny	195	61	24th	39	26th	53·3	43·6	48·3	+ 5·9	6	0·31	8	- 5	Dublin City ..	—	—	—	0	34	—	—	—	—
a Waterford	137	60	21st	39	26th	53·4	44·7	48·9	+ 5·3	4	0·19	5	- 10	Birr Castle ..	1·7	- 2·2	14	0	31	—	—	—	—
p Seskin, Carrick-on-Suir	542	61	21st	36	26th	52·4	42·0	47·1	—	7	0·28	7	—	Seskin	3·3	—	27	1	30	—	—	—	—
a Cahir	192	60	21st	38	26th	53·9	43·7	48·7	+ 6·0	6	0·47	12	—										
a Foynes	50	57	24th	37	26th	52·3	43·0	47·5	+ 3·8	6	0·66	17	+ 1										
Cahirciveen (Val. Obs.)	30	54	21st	39	26th	51·0	45·9	48·4	+ 3·6	7	0·85	22	- 2	Cahirciveen ..	2·4	- 1·9	19	0	33	—	—	—	—
a Killarney	174	63	21st	37	26th	53·8	44·4	49·0	+ 5·0	7	0·73	19	- 6	Ballinacurra ..	1·4	- 3·4	11	—	—	—	—	—	—
t Roche's Point	32	55	21st	40	26th	51·6	46·0	48·7	+ 4·6	6	0·35	9	- 7										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	21, 24	45	25, 26	53·4	46·7	50·0	+ 4·2	4	0·08	2	- 13	Scilly	4·5	- 0·2	37	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	65	25th	37	24th	56·1	43·4	49·6	+ 4·4	3	0·14	4	- 11	St. Heliers ..	4·3	- 0·7	35	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	64	25th	42	24, 25	56·6	44·3	50·3	+ 4·8	1	0·05	1	- 15	Guernsey† ..	5·3	+ 0·3	44	2	29	48·8	+ 3·1	48·0	+ 1·7

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 26th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	24	2	19, 20, 22 to 24	51	90	25	0	0	240	20	24	13	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	16	89	63	0	220	8	23	13	18	23	12	30
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	20, 23, 24, 26	8	50	93	17	0	220	12	23	13	—	—	—	—
Edinburgh	485	39	51	—	0	21 to 24	35	81	52	0	0	200	15	23	9	24	24	8	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	23	3	20, 22, 23, 24, 26	30	63	41	31	0	200	18	23	16	27	23	15	45
Paisley	188	81	15	—	0	23	6	80	80	2	0	230	12	23	19	24	23	8	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	24	2	59	68	39	0	230	12	24	14	21	24	12	45
South Shields	72	61	12	—	0	23, 24	10	59	72	27	0	270	13	23	20	22	23	17	15
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	84	74	10	0	360	10	20	21	18	20	13	55
Shoeburyness	103	90	‡	—	0	—	0	48	87	33	0	310	10	20	15	20	20	13	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	20	3	49	88	28	0	320	12	20	14	20	20	13	20
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	16	53	99	0	—	9	20	14	17	20	15	45
Larkhill, S'y Plain ..	513	63	43	—	0	20, 22, 23	21	96	50	1	0	30	15	20	15	20	20	13	50
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	27	112	29	0	280	9	20	14	22	20	15	55
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	20, 24, 26	27	77	59	5	0	290	16	26	21	—	—	—	—
Southport	80	62	48	—	0	20, 23, 24, 26	33	79	56	0	0	280	16	26	23	21	26	17	5
Holyhead	60	40	‡	—	0	20, 23, 24, 26	52	81	31	4	0	270	16	26	19	23	26	19	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	20, 22, 23, 26	44	69	15	1	39	230	15	23	13	23	20	1	15
Plymouth	185	88	2	—	0	—	0	77	64	27	0	—	10	20	14	17	20	13	40
Lyme Regis	556	61	‡	—	Instrument out of order.			—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	20, 23, 24, 26	29	84	48	7	0	220	13	24	5	—	—	—	—
Quilty	100	40	‡‡‡	—	0	20, 21, 23, 24, 26	62	70	28	8	0	—	14	26	17	23	26	20	30
Cahirciveen (Val Obs.)	98	41	‡‡‡	—	0	23	10	94	56	8	0	200	13	23	9	19	23	8	35
Weaver Pt.	160	30	‡	—	0	20, 22 to 24	19	93	55	1	0	—	12	23	15	20	23	12	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWELFTH WEEK of 1921—March 20th to March 26th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	25	83·3	76·4	79·7	+ 2·5	30	+ 17	11	−17	6	+ 1	1·58	40	+ 16	3·3	+0·1	27	1008
Eastern.																			
1. SCOTLAND, EAST ...	63	25	83·9	76·2	79·9	+ 2·6	36	+ 19	12	−19	4	0	0·28	7	− 7	4·3	+0·4	35	1013
2. ENGLAND, N.E.	64	28	85·0	77·5	81·1	+ 3·0	40	+ 20	5	−20	3	− 1	0·19	5	− 5	3·7	−0·7	30	1018
3. ENGLAND, EAST ...	67	30	86·2	77·1	81·5	+ 3·2	48	+ 22	8	−17	2	− 2	0·08	2	− 10	5·6	+1·3	46	1022
4. MIDLAND COUNTIES ...	66	30	85·6	77·9	81·7	+ 3·5	44	+ 18	3	−24	3	− 1	0·19	5	− 6	3·7	−0·1	30	1022
5. ENGLAND, S.E.	65	28	86·0	76·7	81·2	+ 2·4	48	+ 22	10	−10	2	− 2	0·05	1	− 11	6·0	+1·6	49	1023
Western.																			
6. SCOTLAND, WEST ...	57	34	83·3	77·7	80·4	+ 2·3	30	+ 11	4	−18	6	+ 2	0·86	22	+ 2	3·0	−0·9	24	1017
7. ENGLAND, N.W.	64	31	83·8	78·4	81·1	+ 2·7	32	+ 12	1	−20	5	+ 1	0·51	13	0	2·9	−1·1	23	1021
8. ENGLAND, S.W.	64	33	84·8	78·7	81·7	+ 2·7	39	+ 14	0	−17	3	− 1	0·20	5	− 12	3·6	−0·8	30	1024
9. IRELAND, NORTH ...	59	34	83·7	78·7	81·1	+ 2·5	32	+ 10	0	−20	6	+ 2	0·53	13	− 3	2·2	−1·6	18	1017
10. IRELAND, SOUTH ...	63	37	84·6	79·7	82·1	+ 2·7	44	+ 16	0	−15	6	+ 2	0·53	14	− 3	2·0	−2·2	17	1022
11. ENGLISH CHANNEL ...	65	37	86·0	80·1	83·0	+ 2·5	56	+ 26	0	− 5	3	− 1	0·09	2	− 13	4·7	−0·2	39	1025
MEAN: DISTRICTS 1-10 ...	67	25	84·7	77·9	81·2	+ 2.8	39	+ 16	4	−18	4	0	0·34	9	− 6	3·7	−0·4	30	1020

THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, February 27th to March 26th, 1921.

0. SCOTLAND, NORTH ...	59	16	81·3	75·2	78·1	+ 1·3	68	+ 32	81	− 47	23	+ 3	6·77	172	+ 69	2·3	−0·5	20	1006
Eastern.																			
1. SCOTLAND, EAST ...	63	8	81·7	75·0	78·2	+ 1·4	79	+ 32	86	− 58	18	+ 1	2·44	62	+ 5	3·4	+0·1	30	1009
2. ENGLAND, N.E.	64	26	83·7	76·5	80·0	+ 2·4	133	+ 68	40	− 73	15	− 1	0·77	20	− 23	3·2	−0·5	28	1015
3. ENGLAND, EAST ...	67	26	84·6	76·2	80·3	+ 2·5	158	+ 77	48	− 69	10	− 5	0·78	21	− 20	4·3	+0·7	37	1020
4. MIDLAND COUNTIES ...	66	27	83·8	76·5	80·0	+ 2·3	136	+ 53	42	− 79	15	0	1·17	30	− 14	3·1	−0·1	27	1019
5. ENGLAND, S.E.	65	22	84·3	76·5	80·3	+ 1·9	151	+ 66	42	− 51	14	− 1	0·94	23	− 26	4·3	+0·7	37	1021
Western.																			
6. SCOTLAND, WEST ...	57	19	81·8	76·3	79·0	+ 1·3	83	+ 28	51	− 51	24	+ 7	5·63	143	+ 59	2·3	−0·9	20	1013
7. ENGLAND, N.W.	64	21	82·9	77·3	80·0	+ 1·1	111	+ 48	26	− 68	20	+ 4	2·48	63	+ 4	2·6	−0·7	23	1016
8. ENGLAND, S.W.	64	23	83·4	77·2	80·2	+ 1·6	126	+ 41	29	− 48	19	+ 3	2·18	55	− 17	3·1	−0·5	27	1020
9. IRELAND, NORTH ...	59	23	82·8	77·0	79·8	+ 1·4	110	+ 36	32	− 54	23	+ 4	2·97	75	+ 7	2·6	−0·5	23	1011
10. IRELAND, SOUTH ...	63	23	83·8	77·7	80·6	+ 1·5	139	+ 40	23	− 43	22	+ 6	3·04	78	+ 6	2·7	−0·9	23	1016
11. ENGLISH CHANNEL ...	65	33	84·4	79·1	81·7	+ 1·6	167	+ 57	5	− 23	15	− 2	1·32	34	− 27	4·5	+0·1	39	1022
MEAN: DISTRICTS 1-10 ...	67	8	83·3	76·6	79·8	+ 1·7	123	+ 49	42	− 60	18	+ 2	2·24	57	− 2	3·1	−0·3	28	1016

THE YEAR 1921.—Aggregates, &c., for the Period of 12 Weeks, January 2nd to March 26th, 1921.

0. SCOTLAND, NORTH ...	59	16	80·8	75·0	77·9	+ 1·4	171	+ 82	263	−150	62	+ 1	18·24	464	+110	1·5	−0·3	16	1009
Eastern.																			
1. SCOTLAND, EAST ...	63	8	80·8	74·4	77·6	+ 1·4	162	+ 59	324	−154	47	− 2	7·03	177	+ 6	2·5	+0·1	26	1012
2. ENGLAND, N.E.	64	22	82·2	75·9	79·1	+ 2·2	282	+147	191	−195	39	− 7	3·33	86	− 34	2·1	−0·4	22	1016
3. ENGLAND, EAST ...	67	23	82·8	76·0	79·5	+ 2·6	351	+194	169	−241	34	−12	2·89	75	− 45	2·9	+0·3	29	1019
4. MIDLAND COUNTIES ...	66	23	82·3	76·1	79·2	+ 2·3	294	+126	184	−239	38	− 8	3·73	96	− 42	2·0	−0·3	20	1019
5. ENGLAND, S.E.	65	22	82·9	76·8	79·8	+ 2·2	353	+168	127	−198	40	− 5	3·63	92	− 58	2·7	+0·1	27	1020
Western.																			
6. SCOTLAND, WEST ...	57	19	81·4	76·1	78·8	+ 1·5	214	+ 83	181	−151	61	+ 6	14.42	366	+ 78	1·7	−0·4	18	1015
7. ENGLAND, N.W.	64	20	82·1	76·9	79·5	+ 2·0	286	+143	117	−200	49	0	7·63	193	+ 2	2·1	−0·2	21	1017
8. ENGLAND, S.W.	64	22	82·6	77·3	80·0	+ 1·8	341	+139	97	−159	47	− 3	6·28	159	− 70	2·2	−0·4	23	1020
9. IRELAND, NORTH ...	59	23	82·4	77·1	79·8	+ 1·8	323	+141	107	−172	58	0	8·29	210	− 11	1·8	−0·4	19	1013
10. IRELAND, SOUTH ...	63	23	83·2	77·6	80·4	+ 1·6	390	+131	89	−129	58	+ 5	8·74	223	− 21	1·9	−0·6	19	1018
11. ENGLISH CHANNEL ...	65	32	83·6	79·4	81·5	+ 1·6	464	+161	22	− 76	49	− 6	4·45	113	− 82	2·9	−0·2	29	1021
MEAN: DISTRICTS 1-10 ...	67	8	82·3	76·4	79·4	+ 1·9	300	+132	158	−184	47	− 3	6·60	168	− 20	2·2	−0·2	22	1017
	°F	°F.	a.	a	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
1st April, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 13.

THIRTEENTH WEEK.

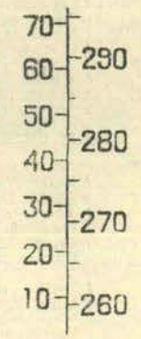
SUNDAY, MARCH 27TH, TO SATURDAY, APRIL 2ND, 1921.

Price 6d. Net; Post free 8d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

METEOROLOGICAL OFFICE 49 9 APR 1921

I.—GENERAL SUMMARY. [First published in 1878.]

For the first half of the week the weather over the United Kingdom was of a very unsettled character. Cloudy skies, with frequent rain and hail were experienced, while thunder and lightning occurred in many places. Snow fell in Scotland and also in Ireland. In parts of Scotland on Sunday the maximum temperature did not rise above 277 a notably at Balmoral, Glencarron, Lerwick and Gordon Castle. During the latter part of the period, the greater part of the country came under the influence of the Atlantic anticyclone and fine warm weather prevailed generally. The highest temperature of the week occurred on Friday or Saturday, when readings of 293 a and above were reported in many places, the actual highest being 295 a at West Witton (North Riding) on Friday. No very low minima were recorded; the lowest in the screen varied from 269 a at Balmoral to 278 a in the Scilly Isles, while grass minima of 267 a were registered at Cambridge and Wisley (Surrey) on the 27th and at Rounton and Worksop on the 30th. The mean temperature was in excess of the normal in all districts. Precipitation was below the normal in all districts except Scotland N. and W. and England S.E. and S.W.; the heaviest falls occurred on Monday when Eskdalemuir measured 33mm., Glencarron 31mm., Ford (Argyll) 24mm. and Fort William 20mm.; at several stations in eastern England the total for the week was very small. The daily mean of bright sunshine was above the normal in most of the English districts; the largest amounts were generally observed towards the end of the week, when more than 11 hours in a day were recorded at a number of stations. A faint display of aurora was observed at Aberdeen on the 29th, and solar halos were seen at Ross-on-Wye and Dublin on the 27th, Tenbury on the 31st and at Oxford on each day from March 29th to April 1st inclusive. The Zodiacal Light was witnessed at Oxford on March 27th, 30th and April 1st, at Stonyhurst on April 2nd, and very brilliantly at Deerness on March 29th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	18	4·3	21	4·0	15	3·4	11	4·2	12	4·2			23	3·4	12	2·9
North	6	4·4	3	4·5	7	1·2	5	1·3	6	5·7			1	1·8	12	3·6
West	24	6·9	28	6·1	19	4·5	18	3·7	24	5·4			24	7·1	22	5·4
East	2	4·8	0	—	4	2·0	3	2·1	0	—			3	1·1	2	0·6
Calm	1	—	0	—	4	—	7	—	4	—			0	—	4	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual
	Rainfall ...	Heavy	Moderate	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Scanty	Moderate	Abundant	Scanty	Very scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 5 weeks from February 27th, 1921.	Warmth ...	4, 1, 0	4, 1, 0	5, 0, 0	5, 0, 0	5, 0, 0	5, 0, 0	4, 1, 0	5, 0, 0	5, 0, 0	5, 0, 0	4, 1, 0	5, 0, 0
	Rainfall ...	5, 0, 0	2, 2, 1	0, 0, 5	0, 2, 3	1, 3, 1	0, 3, 2	2, 3, 0	1, 3, 1	1, 3, 1	1, 4, 0	1, 4, 0	1, 2, 2
	Sunshine ...	0, 3, 2	0, 4, 1	1, 4, 0	3, 2, 0	1, 3, 1	3, 2, 0	0, 1, 4	1, 2, 2	1, 3, 1	0, 2, 3	0, 2, 3	1, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(32770—19) Wt. 67—610/P 142 500 4/21 H. St. G. 17/38

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F	°F
0. SCOTLAND, N.																							
a, Islands.. t Lerwick	54	51	2nd	30	27th	46·3	36·4	41·2	+ 1·9	6	1·02	26	+ 11										
a, Islands.. p Deerness, Orkney	165	58	2nd	31	27th	48·7	37·7	43·0	+ 3·0	5	0·46	12	- 2	Deerness	3·3	- 0·9	26	—	—	—	—	—	—
a, Islands.. t Stornoway	51	57	1st	33	27th	49·3	39·0	44·0	+ 3·2	6	0·96	24	+ 4	Stornoway	3·0	- 1·4	24	—	—	—	—	—	—
a, Islands.. t Castlebay, Barra I.	37	50	31, 1, 2	37	29th	47·9	42·9	45·3	—	4	0·61	16	—	Castlebay	3·3	—	25	—	—	—	—	—	—
b, Mainland. t Wick	81	61	1st	31	27, 28	49·6	37·9	43·6	+ 3·3	6	0·73	19	+ 7										
b, Mainland. a Strathpeffer	125	62	1st	33	27, 28	52·0	40·3	46·0	+ 5·2	3	0·29	7	- 6										
b, Mainland. p Glencarron	500	55	1st	31	29th	47·0	37·6	42·2	+ 2·0	6	2·69	68	+ 30										
b, Mainland. a Fort Augustus	68	61	1st	31	30th	50·6	37·7	44·0	+ 3·1	4	0·68	17	0										
b, Mainland. p Fort William	171	56	1st	33	27, 29	49·1	39·0	44·1	+ 2·2	6	1·82	46	+ 16										
1. SCOTLAND, E.																							
t Nairn	82	65	1st	32	27, 28	51·6	37·1	44·1	+ 3·5	4	0·39	10	0	Nairn	4·2	—	33	—	—	—	—	—	—
p Gordon Castle	101	65	1st	32	27th	52·0	38·6	45·1	+ 4·0	4	0·84	21	+ 9	Gordon Castle	4·1	—	32	—	—	—	—	—	—
t Aberdeen	46	69	1st	34	27, 28	54·0	38·9	46·2	+ 5·3	3	0·28	7	- 6	Aberdeen	3·6	- 0·7	28	3	29	—	—	42·6	+1·9
a Balmoral	930	65	1st	25	27th	49·3	34·9	41·9	+ 4·7	3	0·17	4	- 12	Balmoral	—	—	—	4	25	—	—	—	—
p Crieff	432	66	1st	31	27th	51·6	38·0	44·6	+ 3·3	4	0·24	6	- 10	Crathes	4·4	+ 0·3	34	4	29	41·0	+0·9	41·1	+1·3
a Dundee	244	67	1st	32	27, 28	53·6	37·6	45·4	+ 4·5	3	0·11	3	- 8	Dundee	4·5	—	35	4	26	42·7	—	—	—
t Leith	30	61	1st	34	29, 30	52·6	38·6	45·4	+ 3·1	3	0·09	2	- 7	Leith	—	—	—	3	27	—	—	—	—
p Edinburgh	441	60	1st	33	29th	50·3	40·1	45·1	+ 4·3	2	0·10	3	- 6	Edinburgh	4·5	+ 0·6	35	2	27	—	—	—	—
a West Linton	769	56	1st	29	30th	48·6	37·1	42·7	+ 4·6	3	0·77	20	—	West Linton	—	—	—	2	25	—	—	—	—
p Marchmont	498	—	—	—	—	—	—	—	—	3	0·16	4	- 10	Marchmont	4·6	+ 0·7	36	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	54	1st	31	29th	49·3	38·7	43·8	—	6	2·34	59	—	Ford (Argyll)	—	—	—	1	27	43·2	—	43·0	—
p Glasgow Observatory	180	53	1, 2	34	27th	48·9	40·6	44·6	+ 2·8	4	0·34	9	- 6	Glasgow	2·4	- 1·0	19	2	27	—	—	—	—
t Renfrew	49	55	2nd	34	27, 30	49·7	40·3	44·9	—	3	0·46	12	—	Renfrew	2·6	—	20	3	24	—	—	—	—
p Rothesay	200	54	2nd	32	27, 29	49·3	38·4	43·7	+ 1·4	6	0·82	21	0	Rothesay	2·2	—	17	3	26	43·4	—	44·0	+1·3
a Kilmarnock	90	55	2nd	31	30th	50·1	39·1	44·4	+ 3·2	4	0·62	16	0	Kilmarnock	2·4	—	19	—	—	43·3	—	43·9	—
a Colmonell	170	56	2nd	35	28, 30	49·4	39·9	44·5	+ 2·8	5	0·81	21	+ 2	Colmonell	—	—	—	1	30	—	—	—	—
p Dumfries	160	61	1st	32	27, 29	51·4	39·1	45·1	+ 3·1	3	0·71	18	+ 2	Dumfries	3·4	—	27	3	26	44·0	+2·2	44·0	+1·7
t Eskdalemuir	794	59	1st	30	29th	48·3	37·0	42·5	—	5	1·55	39	—	Eskdalemuir	3·6	—	28	4	27	—	—	—	—
b, I. OF MAN p Douglas	284	55	2nd	34	29th	50·1	40·7	45·3	+ 2·9	4	0·66	17	0	Douglas	2·7	- 2·4	22	1	30	—	—	—	—
2. ENGLAND, N.E.																							
a North.. a Alnwick Castle	210	70	1st	33	29th	55·3	40·1	47·5	+ 6·3	1	0·03	1	- 11										
a North.. t Tynemouth	118	66	1st	34	29th	54·6	40·7	47·4	+ 5·9	2	0·10	3	- 6	Cockle Park	6·3	+ 1·9	49	3	26	43·2	+3·1	43·4	+2·4
a North.. p Durham	336	70	1st	31	29th	55·1	38·3	46·5	+ 5·4	3	0·05	1	- 9	Durham	6·3	+ 2·3	50	3	23	—	—	—	—
a North.. p Rounton	249	67	1st	32	30th	55·1	37·7	46·1	+ 5·1	1	0·01	0·3	- 10	Rounton	—	—	—	4	22	44·3	—	—	—
a North.. a West Witton	605	71	1st	33	27th	53·9	39·9	46·7	—	2	0·31	9	—	West Witton	—	—	—	4	28	43·1	—	42·7	—
a North.. p Scarborough	118	67	1, 2	35	27th	50·3	40·3	49·5	+ 7·1	0	0·00	0	- 10	Scarborough†	7·3	+ 2·9	58	—	—	—	—	45·8	—
a North.. p York	56	68	1st	33	30th	55·9	39·9	47·7	+ 4·9	1	0·03	1	- 9	York	5·4	+ 1·6	43	—	—	45·0	+2·9	44·8	+2·5
b, South.. t Spurn Head	26	62	2nd	34	30th	53·6	37·7	45·4	+ 3·2	2	0·18	5	- 2	Spurn Head	—	—	—	—	—	—	—	—	—
b, South.. a Lincoln	58	68	2nd	33	30th	57·3	37·9	47·3	+ 4·3	3	0·13	3	- 6	Lincoln	—	—	—	2	30	44·8	+3·2	45·3	+3·2
b, South.. a Fulbeck	180	68	2nd	30	30th	57·1	37·1	46·8	+ 3·9	3	0·20	5	- 4	Fulbeck	6·7	+ 2·1	52	3	21	—	—	—	—
														Skegness	7·1	+ 2·2	56	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	64	2nd	31	27th	54·6	36·4	45·2	+ 2·5	2	0·05	1	- 6	Cromer	7·0	+ 2·1	55	—	—	—	—	—	—
a Little Massingham	277	66	2nd	31	27, 30	55·4	34·7	44·7	+ 1·9	1	0·15	4	- 5	Lit. Massingham	6·9	+ 2·4	54	—	—	—	—	—	—
t Yarmouth	13	58	31st	34	27th	53·7	38·4	45·8	+ 3·5	2	0·10	3	- 5	Yarmouth	7·2	—	57	0	32	46·9	+3·0	47·1	+2·3
a Norwich	93	68	2nd	34	27, 30, 2	57·6	36·2	46·6	+ 3·4	3	0·18	5	- 4	Norwich	6·9	—	54	5	25	45·0	—	—	—
a Geldeston	37	66	2nd	33	27, 28, 2	57·6	36·1	46·5	+ 3·5	1	0·01	0·2	- 8	Geldeston	6·6	+ 1·8	52	—	—	—	—	—	—
p Cambridge	41	68	2nd	31	27th	57·9	34·3	45·8	+ 2·3	2	0·13	3	- 4	Cambridge	6·9	+ 2·2	54	7	21	46·1	+2·3	46·6	+2·4
t Clacton-on-Sea	54	61	31st	35	27th	53·6	39·7	46·4	+ 3·7	3	0·14	4	- 3	Clacton	6·3	+ 1·2	49	1	28	46·6	+2·5	47·5	+2·3
a Rothamsted	420	64	2nd	33	30th	54·9	36·0	45·2	+ 2·5	2	0·16	4	- 5	Rothamsted	6·7	+ 2·2	52	5	24	44·2	—	—	—
p Tottenham	61	66	1, 2	36	27, 28	57·3	39·4	48·1	—	2	0·38	10	—	Tottenham	5·7	—	45	0	33	—	—	47·0	+2·6
														S'thend-on-Sea	5·5	—	43	0	32	47·6	+4·5	—	—
4. MIDLAND COUNTIES.																							
a North.. a Barrogate	479	68	1st	34	30th	54·3	39·7	46·8	+ 5·5	2	0·30	8	- 3	Harrogate	7·2	+ 2·7	56	2	30	42·9	+2·2	43·4	+2·0
a North.. p Sheffield	429	66	1, 2	34	30th	55·0	40·1	47·3	—	2	0·37	9	—	Sheffield	6·3	+ 2·3	49	1	27	44·3	+3·2	44·2	+2·7
a North.. p Buxton	987	62	1, 2	31	30th	50·6	37·6	43·9	+ 4·1	3	0·74	19	0	Buxton	5·7	—	45	2	28	42·9	+2·4	43·2	+1·8
b, East.. a Worksop	56	69	2nd	29	30th	59·7	36·4	47·7	+ 4·7	3	0·30	8	- 1	Worksop	5·8	+ 1·9	46	4	23	46·4	—	45·8	—
b, East.. t Nottingham	82	68	2nd	35	27th	56·7	39·1	47·6	+ 4·7	3	0·19	5	- 4	Nottingham	6·3	+ 2·1	49	1	29	45·3	+3·6	44·6	+3·3
b, East.. p Birmingham, Edgbsn.	525	68	2nd	33	27th	56·0	39·1	47·3	+ 4·6	3	0·15	4	- 6	Birmingham	5·5	+ 2·2	43	3	29	44·2	+2·5	45·4	+1·9
b, East.. a Raunds	203	69	2nd	32	30, 2	57·1	35·4	46·9	+ 2·9	3	0·17	4	- 4	Raunds	7·1	—	56	2	28	44·4	—	—	—
b, East.. p Oxford	208	66	2nd	33	27th	57·4	37·9	47·4	+ 3·7	2	0·28	7	- 2	Oxford	6·9	+ 2·6	55	1	29	—	—	—	—
														Malvern	7·3	—	57	1	30	46·0	—	46·0	—
c, West.. a Cheadle (N. Staffs.)	646	66	2nd	31	27th	53·9	37·3	45·4	+ 3·7	3	0·30	8	- 4	Cheadle	—	—	—	1	30	—	—	—	—
c, West.. p Tenbury	313	68	2nd	33	30th	57·3	37·7	47·2	+ 3·7	3	0·27	7	- 1	Tenbury	—	—	—	3	28	46·4	—	—	—
c, West.. a Hereford	291	67	2nd	33	30th	56·9	37·7	47·0	+ 3·4	2	0·31	8	- 2	Ross-on-Wye	7·2	—	57	3	27	47·6	—	46·7	—
c, West.. a Clifton	225	65	2nd	37	27th	55·1	39·3	47·0	+ 2·6	2	0·55	14	+ 1	Clifton	8·1	—	64	0	32	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	60	27, 2	30	27th	53·9	36·1	44·7	+ 2·4	4	0·34	9	- 2	Worthing	7·4	+ 2·0	59	0	31	47·3	+2·7	47·7	+2·5
a Porton	340	65	2nd	30	27th	56·6	33·6	44·8	—	2	0·38	10	—	Marlborough	7·1	+ 3·0	56	2	24	46·6	—	46·8	—
a Wisley, Surrey	150	64	2nd	34	27th	56·4	37·3	46·6	+ 3·1	2	0·50	13	+ 5	Porton	—	—	—	6	21	46·1	—	—	—
a Tunbridge Wells	354	64	2nd	32	27th	55·4	36·9	45·9	+ 2·6	2	0·37	9	- 1	Wisley	5·6	+ 1·0	44	6	22	45·3	+2·2	46·1	+2·2
a Margate	51	56	2nd	37	30, 31	52·9	40·6	46·6	+ 2·6	2	0·21	5	- 2	Tunbridge Wells	5·9	+ 1·0	47	5	23	46·8	+4·7	46·9	—
														Margate	5·7	+ 0·8	45	0	33	47·2	+3·4	47·8	+3·6
t Dungeness	21	57	31, 2	32	27th	54·4	39·6	46·8	+ 3·6	2	0·45	11	+ 4	Folkestone	6·1	—	48	—	—	—	—	47·3	—
p St. Leonards	178	64	2nd	34	27th	54·6	40·4	47·3	+ 3·4	2	0·42	11	+ 2	St. Leonards	7·1	+ 1·9	57	1	29	47·5	—	47·0	—
p Southampton	64	66	2nd	33	27th	57·7	37·3	47·2	+ 2·0	3	0·28	7	- 3	Southampton	7·3	+ 2·3	58	4	23	—	—	—	—
a Ventnor	59	60	2nd	37	27th	54·3	42·1	48·0	+ 2·7	4	0·43	11	+ 2	Ventnor	6·8	+ 1·4	54	—	—	—	—	—	—
LONDON a Richmond (Kew Obs.)	18	63	1, 2	36	27, 30	56·5	38·2	47·1	+ 3·1	2	0·41	10	+ 3	Richmond	5·0	+ 0·6	39	3	26	45·5	+2·3	46·8	+2·4
a Westminster	27	67	2nd	34	27th	58·1	39·4	48·5	+ 3·7	3	0·37	10	+ 3	Westminster	4·7	+ 1·4	37	2	26	—	—	—	—
ag Greenwich	149	66	2nd	34	27th	57·7	38·4	47·8	+ 3·2	2	0·35	8	- 1	Greenwich	5·8	+ 2·0	46	4	26	—	—	—	—
a Hampstead	450	62	1, 2	34	27th	55·4	38·0	46·4	—	3	0·42	11	—	Hampstead	5·7	—	45	—	—	—	—	—	—
ag Camden Square	110	68	1, 2	35	27, 30	59·0	38·7	48·6	+ 3·8	3	0·40	10	+ 2	Camden Square	—	—	—	2	29	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	55	1st	32	27, 29	48·6	38·3	43·3	+ 1·7	3	0·99	25	+ 8	Aspatria	2·9	- 1·7	23	2	27	43·2	+0·5	43·9	+0·3
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	54	2nd	34	29th	48·4	38·4	43·3	+ 1·7	3	0·93	24	+ 3	Stonyhurst	3·7	- 0·6	29	0	31	—	—	—	—
a Blackpool	66	56	1st	33	29th	50·7	40·9	45·7	+ 3·3	3	0·44	11	- 3	Blackpool	4·1	- 0·9	33	0	31	46·5	—	45·8	—
a Southport	37	55	1st	35	29th	50·3	40·6	45·3	+ 2·6	3	0·39	10	- 3	Southport	3·9	- 1·0	30	0	31	46·6	+4·0	46·0	+3·0
														Hoylake	5·2	+ 0·6	41	—	—	—	—	—	—
t Liverpool(Bidston)	188	55	1st	34	29th	50·6	41·1	45·7	+ 2·5	2	0·19	5	- 7	Liverpool	5·0	—	39	1	30	—	—	—	—
a Hawarden Bridge	22	58	1st	34	29th	53·3	40·6	46·8	+ 2·9	2	0·20	5	- 4	Manchester(City)	3·5	+ 0·1	28	0	36	44·6	+3·3	45·8	+2·6
p Manchester (Whit. Pk.)	125	62	1st	33	27th	53·1	40·3	46·5	+ 2·9	2	0·42	11	- 3	Whitworth Park	3·4	+ 0·2	27	—	—	—	—	—	—
8. NORTH WALES.																							
p Llandudno	22	55	1st	33	29th	51·1	41·3	46·1	+ 2·1	2	0·37	9	- 4	Llandudno	4·9	- 0·1	38	—	—	—	—	—	—
t Holyhead	15	56	2nd	33	29th	51·1	41·3	46·1	+ 2·5	3	0·63	16	+ 1	Holyhead	3·7	—	29	0	32	—	—	—	—
a Aberdovey	60	56	1st	36	29th	52·1	42·6	47·2	—	3	0·38	10	—	Aberdovey	6·2	+ 1·4	49	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date	Mean for the Week.			Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft	
						Of Daily Max	Of Daily Min	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																						
a Aberystwyth	16	52	1st	37	29th	49·4	41.6	45·4	—	3	0·28	7	—	Aberystwyth ..	5·9	+ 1·2	46	—	—	—	—	—
a Rhayader	757	62	1st	33	30, 2	52·7	36·3	44·3	—	4	0·57	15	—	Rhayader ..	6·5	—	51	2	28	—	—	—
t St. Ann's Head ..	149	56	1, 2	33	30th	51·0	41·1	45·9	+ 1·9	3	0·79	20	+ 8	St. Ann's Head ..	6·2	+ 1·1	49	—	—	—	—	—
p Cardiff	202	66	2nd	34	27th	55·7	39·7	47·5	+ 4·0	3	0·57	14	- 2	Cardiff	7·0	—	55	3	26	46·7	+ 3·3	46·8	+ 2·8
b. ENGLAND, S.W.																						
a Bath	66	67	2nd	36	27th	56·7	40·1	48·2	+ 4·3	3	0·42	11	— 1	Bath	7·2	+ 2·5	57	—	—	47·7	+ 3·6	47·5	+ 2·9
a Shaftesbury	722	66	2nd	34	27, 29	54·9	37·1	45·7	+ 3·2	3	0·50	13	+ 1	Shaftesbury ..	—	—	—	—	—	46·5	—	45·9	—
a Arlington	613	61	2nd	35	30, 1	52·3	38·7	45·3	+ 2·6	3	1·02	26	+ 7										
a Newquay	190	57	1st	37	30th	51·6	42·0	46·7	+ 1·4	3	0·43	11	- 1	Newquay ..	6·4	+ 1·3	51	—	—	48·3	—	48·5	—
a Cullompton	202	68	2nd	34	27th	56·9	38·3	47·3	+ 3·1	3	0·50	13	- 1	Cullompton ..	6·6	+ 1·9	52	6	24	47·5	—	—	—
t Portland Bill	19	57	1st	40	30th	52·1	43·9	47·9	+ 3·4	2	0·41	10	0	Weymouth ..	7·1	—	57	—	—	—	—	—	—
p Plymouth	116	60	1, 2	37	29th	54·4	40·3	47·1	+ 1·7	3	0·52	13	- 1	Plymouth ..	6·6	+ 1·4	52	0	34	47·6	+ 1·8	48·2	—
a Falmouth	167	60	2nd	39	29th	51·0	41·3	47·5	+ 2·1	3	0·88	22	+ 5	Falmouth ..	7·1	+ 1·7	56	0	35	49·3	—	49·6	—
9. IRELAND, N.																						
a West .. *t* Malin Head	208	51	1, 2	34	29th	48·3	40·6	44·3	+ 1·6	5	0·56	14	- 1	Malin Head ..	2·2	—	17	—	—	—	—	—	—
t Blacksod Point ..	10	52	30-2	34	29th	51·0	42·0	46·4	+ 2·3	4	0·44	11	- 13	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	1·9	- 2·3	15	3	29	46·1	+ 1·7	45·7	+ 1·2
p Markree Castle ..	122	56	31-2	31	29th	51·7	39·4	45·4	+ 2·5	5	0·62	16	- 4										
b, East .. *p* Armagh	204	57	1st	31	29th	52·1	39·1	45·4	+ 2·8	3	0·26	7	- 8	Armagh	1·6	- 2·5	12	2	25	45·0	+ 1·8	45·3	+ 1·5
t Donaghadee	35	60	1st	34	29th	52·6	40·7	46·5	+ 3·5	4	0·42	11	- 4										
10. IRELAND, S.																						
p Dublin, City	54	56	2nd	34	29th	52·9	41·4	46·0	+ 1·1	3	0·22	6	- 7	Trinity Coll. ..	2·0	—	16	1	30	46·9	+ 2·5	47·2	+ 2·2
Birr Castle	175	55	2nd	31	29th	51·4	40·0	45·5	+ 2·3	5	0·83	21	+ 6	Phœnix Park ..	2·1	- 2·7	16	1	29	—	—	—	—
a Kilkenny	195	58	2nd	31	29th	52·6	39·4	45·8	+ 2·1	4	0·35	9	- 6	Dublin City ..	—	—	—	0	31	—	—	—	—
a Waterford	137	58	2nd	34	29th	53·6	39·9	46·6	+ 1·8	3	0·14	4	- 13	Birr Castle ..	2·0	- 2·4	16	1	27	—	—	—	—
p Seskin, Carrick-on-Suir	542	55	2nd	31	29th	52·3	37·3	44·6	—	3	0·25	6	—	Seskin	2·5	—	20	3	28	—	—	—	—
a Cahir	198	56	2nd	31	29th	51·4	40·1	45·6	+ 1·7	3	0·54	14	—										
a Foynes	50	55	1st	33	29th	51·1	42·9	46·9	+ 2·0	3	0·66	17	- 1										
Cahirciveen (Val. Obs.)	30	54	2nd	33	29th	51·1	43·4	47·1	+ 1·3	4	0·81	21	- 6	Cahirciveen ..	2·5	- 2·3	20	0	32	—	—	—	—
a Killarney	174	60	2nd	33	29th	54·2	41·6	47·7	+ 2·6	3	0·87	22	- 5	Ballinacurra ..	2·8	- 2·4	22	—	—	—	—	—	—
t Roche's Point	32	55	2nd	33	29th	51·7	41·3	46·4	+ 1·2	3	0·59	15	- 4										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	57	1st	41	30th	53·4	44·3	48·7	+ 1·7	3	0·37	9	- 3	Scilly	5·1	- 0·5	40	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	65	2nd	40	1st	55·3	42·4	48·7	+ 2·0	2	0·28	7	- 5	St. Heliers ..	7·4	+ 1·5	59	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	63	2nd	40	30th	55·6	43·0	49·1	+ 2·1	2	0·37	9	- 4	Guernsey† ..	6·8	+ 0·9	54	2	27	48·4	+ 1·7	48·9	+ 2·1

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 2nd, 1921.

DISTRICT AND STATION	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	day.	hr.	°	m/s	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	27, 28, 30 to 1	49	79	37	3	0	260	16	31	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	3	113	52	0	300	6	27	12	17	27	11	30
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	27	5	29	125	9	0	300	13	27	{ 9 / 14 }	—	—	—	—
Edinburgh	485	39	51		0	28, 30, 31	9	124	33	2	0	230	12	30	16	21	28	20	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	27, 28	12	92	51	8	5	240	15	28	13	24	28	19	30
Paisley	188	81	15	—	0	31	1	78	85	4	0	280	11	31	5	24	28	15	55
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	40	105	23	0	220	9	28	15	18	28	14	25
South Shields	72	61	12	—	0	27, 31	12	74	76	6	0	290	14	31	14	22	31	9	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	27 to 29	15	47	75	28	3	240	13	28	22	19	28	22	45
Shoeburyness	103	90	‡	—	0	—	0	50	90	24	0	230	12	28	23	18	27	15	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	28	7	45	73	43	0	230	12	28	19	19	28	19	5
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	28	3	48	81	36	0	—	13	28	23	20	28	22	55
Larkhill, S'y Plain ..	513	63	43	—	0	27 to 29	21	79	60	8	0	210	15	28	20	20	29	12	30
Richmond (Kew Obs.)..	82	65	22	—	0	28	1	39	81	47	0	220	11	28	21	18	28	18	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	27, 28, 30	30	67	59	12	0	290	17	27	10	—	—	—	—
Southport	80	62	48	27	2	27 to 31	42	70	46	8	0	280	18	27	10	26	28	18	30
Holyhead	60	40	‡	—	0	27 to 30	38	63	54	13	0	260	16	27	5	22	28	16	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	28, 29	21	27 to 30, 2	50	63	0	0	34	230	25	28	18	34	29	8	45
Plymouth	185	88	2		0	28, 29	17	52	73	26	0	—	15	28	19	22	29	9	50
Lyme Regis	556	61	‡	—	Instrument out of order			—	—	—	—	—	—	—	—	—	—	—	—
9. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	27 to 29, 31	34	75	58	1	0	250	15	29	14	—	—	—	—
Quilty	100	40	‡	—	0	27 to 29	52	57	51	8	0	—	17	28	11	28	28	18	40
Cahirciveen (Val Obs.)	98	41	‡	—	0	28, 29	25	46	77	20	0	210	16	28	12	27	28	22	20
Weaver Pt.	160	30	‡	—	0	28, 29	15	48	100	5	0	—	17	28	14	28	28	13	10
11. ENGLISH CHANNEL																			
Scilly	160	32	‡	29	2	28 to 30	34	44	56	32	0	320	20	29	10	28	29	9	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTEENTH WEEK of 1921—March 27th to April 2nd, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	62	30	82·5	76·5	79·4	+ 1·7	27	+ 9	10	−16	5	0	1·17	30	+ 9	3·2	−0·8	25	1003
Eastern.																			
1. SCOTLAND, EAST ...	69	25	83·8	76·1	79·8	+ 2·1	35	+ 13	12	−17	3	− 1	0·37	9	− 4	4·3	+0·3	34	1007
2. ENGLAND, N.E.	70	30	86·3	76·8	81·4	+ 2·8	49	+ 25	9	−13	2	− 2	0·08	2	− 8	6·5	+2·1	51	1011
3. ENGLAND, EAST ...	68	31	86·2	75·7	80·8	+ 1·7	50	+ 20	15	− 8	2	− 1	0·14	4	− 4	6·7	+2·0	52	1015
4. MIDLAND COUNTIES ...	69	29	86·6	76·3	81·3	+ 2·3	51	+ 19	11	−14	3	0	0·28	7	− 3	6·7	+2·5	53	1015
5. ENGLAND, S.E.	66	30	85·9	76·4	81·1	+ 1·4	47	+ 15	11	− 6	3	0	0·38	10	+ 1	6·4	+1·5	51	1016
Western.																			
6. SCOTLAND, WEST ...	61	31	82·9	77·2	79·9	+ 1·4	28	+ 5	7	−14	5	+ 1	0·90	23	+ 3	2·6	−1·7	20	1010
7. ENGLAND, N.W.	62	32	83·4	77·6	80·4	+ 1·5	31	+ 7	5	−14	3	− 1	0·52	13	− 2	4·5	0·0	35	1014
8. ENGLAND, S.W.	68	33	85·3	77·3	81·2	+ 1·5	43	+ 12	6	− 9	3	− 1	0·62	16	+ 1	6·6	+1·7	52	1017
9. IRELAND, NORTH ...	60	31	83·7	77·6	80·6	+ 1·4	32	+ 6	5	−13	4	− 1	0·52	13	− 5	1·7	−2·4	14	1012
10. IRELAND, SOUTH ...	60	31	84·2	78·1	81·0	+ 0·9	35	+ 1	3	−11	3	− 1	0·56	14	− 5	2·3	−2·4	18	1017
11. ENGLISH CHANNEL ...	65	40	85·7	79·2	82·3	+ 1·0	48	+ 11	0	− 4	2	− 2	0·33	8	− 4	6·4	+0·6	51	1019
MEAN: DISTRICTS **1-10** ...	70	25	84·8	76·9	80·8	+ 1·7	40	+ 12	8	−12	3	− 1	0·44	11	− 3	4·8	+0·4	38	1013

THE SEASON (Spring).—Aggregates, &c., for the Period of 5 Weeks, February 27th to April 2nd, 1921.

0. SCOTLAND, NORTH ...	62	16	81·5	75·4	78·3	+ 1·4	95	+ 41	91	− 63	28	+ 3	7·94	202	+ 78	2·5	−0·5	21	1005
Eastern.																			
1. SCOTLAND, EAST ...	69	8	82·1	75·2	78·5	+ 1·6	114	+ 45	98	− 75	21	0	2·81	71	+ 1	3·6	+0·1	31	1009
2. ENGLAND, N.E.	70	26	84·2	76·6	80·3	+ 2·5	182	+ 93	49	− 86	17	− 3	0·85	22	− 31	3·9	+0·1	33	1014
3. ENGLAND, EAST ...	68	26	84·9	76·1	80·4	+ 2·4	208	+ 97	63	− 77	12	− 6	0·92	25	− 24	4·8	+1·0	41	1019
4. MIDLAND COUNTIES ...	69	27	84·3	76·4	80·3	+ 2·3	187	+ 72	53	− 93	18	0	1·45	37	− 17	3·8	+0·4	33	1018
5. ENGLAND, S.E.	66	22	84·6	76·5	80·4	+ 1·8	198	+ 81	53	− 57	17	− 1	1·32	33	− 25	4·7	+0·8	40	1020
Western.																			
6. SCOTLAND, WEST ...	61	19	82·0	76·5	79·2	+ 1·4	111	+ 33	58	− 65	29	+ 8	6·53	166	+ 62	2·4	−1·0	20	1012
7. ENGLAND, N.W.	64	21	83·0	77·4	80·1	+ 2·0	142	+ 55	31	− 82	23	+ 3	3·00	76	+ 2	3·0	−0·5	26	1016
8. ENGLAND, S.W.	68	23	83·8	77·2	80·4	+ 1·6	169	+ 53	35	− 57	22	+ 2	2·80	71	− 16	3·8	−0·1	33	1019
9. IRELAND, NORTH ...	60	23	82·9	77·1	79·9	+ 1·3	142	+ 42	37	− 67	27	+ 3	3·49	88	+ 2	2·4	−0·9	21	1011
10. IRELAND, SOUTH ...	63	23	83·9	77·7	80·7	+ 1·4	174	+ 41	26	− 54	25	+ 5	3·60	92	+ 1	2·6	−1·2	22	1016
11. ENGLISH CHANNEL ...	65	33	84·7	79·1	81·8	+ 1·5	215	+ 68	5	− 27	17	− 4	1·65	42	− 31	4·9	+0·3	42	1021
MEAN: DISTRICTS **1-10** ...	70	8	83·6	76·7	80·0	+ 1·8	163	+ 61	50	− 71	21	+ 1	2·68	68	− 5	3·5	−0·1	30	1015

THE YEAR 1921.—Aggregates, &c., for the Period of 13 Weeks, January 2nd to April 2nd, 1921.

0. SCOTLAND, NORTH ...	62	16	80·9	75·1	78·0	+ 1·4	198	+ 91	273	−166	67	+ 1	19·41	494	+119	1·6	−0·3	17	1009
Eastern.																			
1. SCOTLAND, EAST ...	69	8	81·1	74·5	77·8	+ 1·5	197	+ 72	336	−171	50	− 3	7·40	186	+ 2	2·6	+0·1	27	1011
2. ENGLAND, N.E.	70	22	82·5	76·0	79·2	+ 2·2	331	+172	200	−208	41	− 9	3·41	88	− 42	2·5	−0·1	25	1016
3. ENGLAND, EAST ...	68	23	83·1	76·0	79·6	+ 2·5	401	+214	184	−249	36	−13	3·03	79	− 49	3·2	+0·4	32	1019
4. MIDLAND COUNTIES ...	69	23	82·7	76·1	79·4	+ 2·3	345	+145	195	−253	41	− 8	4·01	103	− 45	2·3	−0·1	24	1018
5. ENGLAND, S.E.	66	22	83·1	76·7	79·9	+ 2·1	400	+183	138	−204	43	− 5	4·01	102	− 57	3·0	+0·2	29	1020
Western.																			
6. SCOTLAND, WEST ...	61	19	81·5	76·2	78·8	+ 1·4	242	+ 88	188	−165	66	+ 7	15·32	389	+ 81	1·8	−0·5	19	1014
7. ENGLAND, N.W.	64	20	82·2	77·0	79·6	+ 2·0	317	+150	122	−214	52	− 1	8·15	206	0	2·2	−0·2	23	1017
8. ENGLAND, S.W.	68	22	82·8	77·3	80·1	+ 1·8	384	+142	103	−168	50	− 4	6·90	175	− 69	2·6	−0·1	26	1020
9. IRELAND, NORTH ...	60	23	82·5	77·1	79·8	+ 1·7	355	+147	112	−185	62	− 1	8·81	223	− 16	1·8	−0·5	19	1013
10. IRELAND, SOUTH ...	63	23	83·3	77·6	80·4	+ 1·5	425	+132	92	−140	61	+ 4	9·30	237	− 26	1·9	−0·8	19	1018
11. ENGLISH CHANNEL ...	65	32	83·7	79·4	81·5	+ 1·5	512	+172	22	− 80	51	− 8	4·78	121	− 86	3·2	−0·1	31	1021
MEAN: DISTRICTS **1-10** ...	70	8	82·5	76·5	79·5	+ 1·9	340	+144	167	−196	50	− 3	7·03	179	− 22	2·4	−0·2	24	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F	day-deg. F	day-deg. F			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
8th April, 1921.

METEOROLOGICAL OFFICE
16 APR 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 14.

FOURTEENTH WEEK.

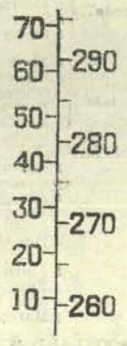
SUNDAY, APRIL 3RD, TO SATURDAY, APRIL 9TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week a large anticyclone was spreading inwards from the south-west. By Wednesday morning its centre was off southern Ireland from whence it passed somewhat quickly across the British Isles to Scandinavia. This system being the dominant factor in the weather of the week, the temperature was well above the normal, with abundant sunshine and only a small amount of rain. In Scotland N. and Ireland N., temperature exceeded the normal by 2·0 a and 1·9 a respectively, the least deviation being in England S.W. with an excess of 0·7 a. At several stations the mean temperature was above the normal by more than 2·0 a; at Dundee by 2·5 a and at Stornoway by 3·1 a. Along the East Coast, in the Midlands and in England S.E. the warmest day was the 3rd, the temperature at Cromer reaching 70° F., or 2° F. higher than the previous highest reading in England E. for this year. The coldest night was very generally that between the 7th and 8th, when the temperature fell below the freezing point at some stations in most districts, going down to 25° F. at West Linton, 24° F. at Durham and 21° F. at Balmoral. Sunshine exceeded the average in nearly all districts, the East Coast by as much as 2·1 hr. per day and the Channel Islands by 2·7 hr. per day. Two of the most brilliant days of the week were the 7th and 8th, the amount at some stations reaching 12 hrs. on one or both of these days, Armagh recording 12·4 hrs. An eclipse of the sun, annular in the north of Scotland, otherwise partial, was observed in favourable weather on the 8th. The duration of bright sunshine as measured by the sunshine recorder was generally affected by half-an-hour or more. At only a very few stations was the sunshine for the week below the normal, the deficiency being for the most part small, while at many places the excess was more than 2 hrs. per day, 2·7 hrs. at Little Massingham and Worthing, and 2·8 hr. per day at Clacton. With the exception of Lerwick which had an excess of 3mm. the amount of rain everywhere was below the normal some stations having no rain all the week.

Hail was reported from a large number of stations in England N.E., England E. and the Midlands on the 9th with a thunderstorm at Malvern and thunder at Tenbury.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	4·3	14	3·5	1	0·5	1	0·9	9	2·2			10	3·0	11	2·3
North	3	3·8	8	2·2	22	3·4	20	3·8	14	3·6			11	3·5	8	3·1
West	16	6·1	15	6·0	10	2·0	9	2·5	14	4·3			14	6·5	13	3·6
East	9	2·2	10	2·9	14	5·2	12	3·8	11	6·9			10	4·7	9	3·3
Calm	0	—	3	—	4	—	6	—	3	—			4	—	6	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c, is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual
	Rainfall ...	Light	Light	Light	Light	Light	Light	Light	Light	Very light	Very light	Very light	Light
	Sunshine ...	Moderate	Abundant	Moderate	Very abundant	Abundant	Very abundant	Scanty	Abundant	Abundant	Abundant	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 6 weeks from February 27th, 1921.	Warmth ...	5, 1, 0	5, 1, 0	6, 0, 0	6, 0, 0	6, 0, 0	6, 0, 0	5, 1, 0	6, 0, 0	5, 1, 0	6, 0, 0	4, 2, 0	6, 0, 0
	Rainfall ...	5, 0, 1	2, 2, 2	0, 0, 6	0, 2, 4	1, 3, 2	0, 3, 3	2, 3, 1	1, 3, 2	1, 3, 2	1, 4, 1	1, 4, 1	1, 2, 3
	Sunshine ...	0, 4, 2	1, 4, 1	1, 5, 0	4, 2, 0	2, 3, 1	4, 2, 0	0, 1, 5	2, 2, 2	2, 3, 1	1, 2, 3	1, 2, 3	2, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

(32285—19) Wt. 67—610/P 142 500 4/21 H St. G. 17/20c

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F.	°F
0. SCOTLAND, N.																							
a, Islands..	54	52	9th	33	4th	48·4	38·6	43·3	+ 2·9	2	0·67	17	+ 3										
	165	51	8, 9	34	4th	48·9	39·9	44·2	+ 3·1	3	0·29	7	- 6	Deerness	4·8	+ 0·1	36	—	—	—	—	—	—
	31	57	9th	37	4th	52·3	43·6	47·7	+ 5·6	2	0·28	7	- 12	Stornoway	4·4	- 0·6	33	—	—	—	—	—	—
	37	55	9th	37	4th	50·6	45·0	47·7	—	3	0·17	4	—	Castlebay	5·1	—	38	—	—	—	—	—	—
b, Mainland.	81	54	8th	34	4th	49·4	40·1	44·5	+ 2·9	3	0·23	6	- 6										
	125	58	7, 8	31	9th	55·3	34·1	44·2	+ 1·9	1	0·18	5	- 7										
	900	58	8th	34	3rd	51·6	38·7	44·8	+ 2·9	3	0·32	21	- 16										
	68	61	7th	33	8th	53·4	38·6	45·6	+ 3·3	2	0·27	7	- 9										
	171	61	7th	34	9th	54·3	39·0	46·3	+ 3·0	3	0·70	18	- 11										
1. SCOTLAND, E.																							
	82	59	7th	29	9th	54·7	37·1	45·5	+ 3·2	3	0·17	4	- 4	Nairn	5·0	—	38	—	—	—	—	—	—
	101	60	8th	29	9th	55·4	38·3	46·4	+ 3·7	2	0·06	2	- 7	Gordon Castle..	5·1	—	38	—	—	—	—	—	—
	46	57	5th	31	8th	53·9	38·4	45·8	+ 3·5	0	0·00	0	- 10	Aberdeen	6·2	+ 0·8	46	4	23	—	—	43·3	+2·0
	930	57	5, 8	21	8th	53·0	33·0	42·5	+ 3·6	1	0·05	1	- 11	Balmoral	—	—	—	4	17	—	—	—	—
	432	59	5th	31	8, 9	53·3	37·1	44·8	+ 1·9	1	0·02	1	- 11	Crathes	5·7	+ 0·6	43	3	25	44·0	+2·6	41·9	+1·3
	244	63	5th	27	8th	57·1	37·3	46·9	+ 4·4	0	0·00	0	- 9	Dundee	5·4	—	41	4	20	45·6	—	—	—
	30	58	5, 6	31	9th	54·1	40·0	46·7	+ 2·8	0	0·00	0	- 7	Leith	—	—	—	2	27	—	—	—	—
	441	58	7th	32	8th	52·1	40·1	45·8	+ 3·4	0	0·01	0·2	- 7	Edinburgh	5·1	+ 0·3	38	2	17	—	—	—	—
	769	58	7th	25	8th	51·9	33·5	42·3	+ 2·6	2	0·11	3	—	West Linton	—	—	—	4	20	—	—	—	—
	198	—	—	—	—	—	—	—	—	1	0·03	1	- 10	Marchmont	6·1	+ 1·2	46	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
	149	59	7th	33	8, 9	53·4	39·0	45·9	—	4	0·62	16	—	Ford (Argyll)	—	—	—	2	25	46·0	—	43·5	—
	180	57	7th	37	8, 9	52·4	41·0	46·4	+ 2·7	2	0·05	1	- 11	Glasgow	3·9	- 0·3	30	2	28	—	—	—	—
	49	59	7th	31	8th	54·0	38·0	45·6	—	1	0·02	1	—	Renfrew	3·5	—	27	4	17	—	—	—	—
	200	56	7th	37	4, 8, 9	52·7	40·4	46·3	+ 2·2	4	0·34	9	- 8	Rothesay	3·8	—	29	2	30	46·0	—	45·0	+1·8
	90	62	7th	31	8th	54·7	38·3	46·1	+ 3·1	2	0·18	5	- 7	Kilmarnock	4·0	—	30	—	—	44·8	—	44·3	—
	170	61	7th	32	8th	53·9	39·3	46·3	+ 2·9	3	0·25	6	- 8	Colmonell	—	—	—	2	24	—	—	—	—
	160	57	6-8	30	8th	53·6	38·4	45·6	+ 1·7	2	0·03	1	- 12	Dumfries	5·0	—	38	2	23	45·7	+2·8	44·8	+1·7
	794	56	7th	26	8th	51·0	35·4	42·8	—	3	0·13	3	—	Eskdalemuir	4·7	—	35	3	21	—	—	—	—
b, I. OF MAN	284	—	—	—	—	—	—	—	—	—	—	—	—	Douglas	—	—	—	—	—	—	—	—	—
2. ENGLAND, N.E.																							
a North	210	60	5th	25	8th	53·3	36·9	44·7	+ 2·5	0	0·00	0	- 9										
	118	57	5th	35	8th	51·7	40·6	45·9	+ 3·3	0	0·00	0	- 7	Cockle Park	—	—	—	4	24	45·4	+4·1	44·7	+2·9
	336	60	5th	24	8th	54·6	34·9	44·3	+ 2·0	3	0·23	6	- 2	Durham	5·0	0·0	38	6	12	—	—	—	—
	249	57	6th	26	8th	52·7	35·3	43·6	+ 1·4	2	0·26	7	- 1	Rounton	—	—	—	6	17	46·5	—	—	—
	605	60	6th	28	8th	53·4	37·0	44·8	—	3	0·15	4	—	West Witton	—	—	—	3	25	45·2	—	43·3	—
	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough†	—	—	—	—	—	—	—	—	—
	56	58	3rd	30	8th	53·4	38·4	45·5	+ 1·4	3	0·22	6	- 1	York	4·8	- 0·1	36	—	—	46·7	+3·4	45·5	+2·6
b, South	26	54	6th	40	4, 5, 7	50·0	41·0	45·3	+ 2·0	2	0·06	1	- 4	Spurn Head	—	—	—	—	—	—	—	—	—
	58	64	3rd	36	5, 8	55·6	39·7	47·3	+ 3·0	2	0·12	3	- 4	Lincoln	—	—	—	1	30	47·0	+4·0	46·2	+3·3
	180	63	3rd	31	8th	54·3	37·0	45·2	+ 0·9	3	0·13	3	- 4	Fulbeck‡	6·2	+ 0·4	47	3	27	—	—	—	—
														Skegness	6·8	+ 0·7	52	—	—	—	—	—	—
3. ENGLAND, E.																							
	196	70	3rd	35	5th	53·9	39·6	46·4	+ 2·7	1	0·01	0·2	- 6	Cromer	7·8	+ 2·0	60	—	—	—	—	—	—
	277	65	3rd	32	5, 8, 9	54·1	35·9	44·6	+ 0·6	4	0·08	2	- 6	Lit. Massingham	8·1	+ 2·7	62	—	—	—	—	—	—
	13	56	5th	35	3, 5	51·3	40·7	45·8	+ 2·5	1	0·04	1	- 6	Yarmouth	8·9	—	68	1	30	48·4	+3·3	48·0	+2·4
	93	68	3rd	33	5th	54·7	38·7	46·3	+ 2·0	2	0·09	2	- 6	Norwich	7·8	—	59	2	27	47·8	—	—	—
	37	66	3rd	30	7th	56·4	35·9	45·7	+ 1·7	2	0·03	1	- 6	Geldeston	7·7	+ 2·1	59	—	—	—	—	—	—
	41	68	3rd	28	5th	56·3	35·0	45·1	+ 0·4	2	0·12	3	- 4	Cambridge	7·1	+ 1·5	54	6	20	48·4	+3·3	47·4	+2·4
	54	58	5th	36	5th	52·9	40·7	46·5	+ 2·6	3	0·09	2	- 4	Clacton	8·9	+ 2·8	68	1	30	49·0	+3·7	48·4	+2·5
	420	64	3rd	29	5th	51·7	37·1	45·5	+ 1·7	2	0·16	4	- 4	Rothamsted	6·6	+ 1·3	50	3	22	46·3	—	—	—
	51	67	3rd	31	5th	57·6	39·9	48·3	—	0	0·00	0	—	Tottenham	6·7	—	51	0	33	—	—	47·6	+2·6
														S'thend-on-Sea	7·7	—	59	0	32	50·2	+5·8	—	—
4. MIDLAND COUNTIES.																							
a North	479	58	6th	30	8th	52·4	36·7	44·2	+ 1·6	2	0·39	10	0	Harrogate	5·3	0·0	40	2	19	45·5	+3·8	44·6	+2·6
	429	59	3rd	35	8th	52·9	40·1	46·2	—	2	0·28	7	—	Sheffield	5·1	+ 0·4	39	1	29	46·1	+3·9	45·1	+3·1
	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East	56	65	3rd	28	8th	56·9	36·9	46·4	+ 2·2	2	0·22	6	- 2	Worksop	5·2	+ 0·6	39	5	21	48·5	—	46·8	—
	82	62	3rd	36	8th	53·9	39·7	46·5	+ 2·2	2	0·16	4	- 4	Nottingham	5·1	+ 0·1	39	1	29	46·4	+3·4	45·8	+3·8
	425	63	3rd	33	8th	53·7	39·1	46·1	+ 2·0	1	0·12	3	- 6	Birmingham	4·7	+ 0·6	36	2	27	45·8	+3·3	45·8	+2·0
	203	67	3rd	29	8th	55·7	36·1	45·4	+ 0·9	2	0·08	2	- 6	Raunds	5·9	—	45	2	25	46·9	—	—	—
	208	67	3rd	33	8th	56·0	38·9	47·0	+ 1·8	2	0·16	4	- 5	Oxford	6·0	+ 0·8	46	2	28	—	—	—	—
														Malvern	5·7	—	43	1	29	48·7	—	47·1	—
c, West	646	59	3rd	33	8th	54·1	37·6	45·5	+ 2·5	1	0·16	4	- 7	Cheadle	—	—	—	0	31	—	—	—	—
	313	63	3rd	28	8th	55·9	35·4	45·2	+ 0·8	1	0·17	4	- 4	Tenbury	—	—	—	3	23	48·9	—	—	—
	291	64	3rd	30	8th	56·1	37·3	46·3	+ 1·3	1	0·17	4	- 5	Ross-on-Wye	5·3	—	40	3	22	50·4	—	48·2	—
	225	60	6th	35	8th	54·9	40·1	47·1	+ 1·2	0	0·00	0	- 12	Clifton	6·5	—	50	0	33	—	—	—	—
5. ENGLAND, S.E.																							
	424	63	3rd	30	5th	56·3	35·0	45·1	+ 1·2	1	0·09	2	- 8	Worthing	8·8	+ 2·7	67	1	30	49·9	+4·1	48·6	+2·8
	340	65	3rd	26	5th	57·2	33·3	44·7	—	1	0·08	2	—	Marlborough	6·3	+ 1·6	48	?4	?25	48·5	—	47·3	—
	150	69	3rd	30	8th	58·1	37·7	47·4	+ 2·1	1	0·05	1	- 6	Porton	—	—	—	4	21	48·4	—	—	—
	364	69	3rd	31	5th	56·6	38·9	47·3	+ 2·2	2	0·14	4	- 5	Wisley	7·7	+ 2·4	58	5	14	48·1	+3·8	46·8	+2·3
	51	59	3rd	41	9th	52·1	43·6	47·7	+ 2·1	2	0·04	1	- 6	Tunbridge Wells	7·3	+ 1·8	56	3	24	49·3	+6 1	47·6	—
														Margate	7·3	+ 1·7	55	0	37	49·8	+5·0	48·8	+4·0
	21	59	3rd	35	5th	53·4	43·0	48·0	+ 3·2	1	0·04	1	- 6	Dungeness	8·2	—	63	—	—	—	—	48·0	—
	178	65	3rd	39	5, 8	55·4	43·1	49·0	+ 3·4	1	0·03	1	- 7	Folkestone	7·4	+ 1·4	56	0	34	50·1	—	47·6	—
	64	66	3rd	34	5, 8	58·0	38·6	47·8	+ 0·8	1	0·04	1	- 8	St. Leonards	7·5	+ 1·8	57	4	23	—	—	—	—
	59	67	3rd	39	8th	58·3	42·4	50·0	+ 3·2	0	0·00	0	- 8	Southampton	8·4	+ 2·3	64	—	—	—	—	—	—
														Ventnor									
LONDON	18	66	3rd	35	5th	56·1	38·6	46·9	+ 1·1	1	0·04	1	- 6	Richmond	7·1	+ 2·0	54	4	23	47·7	+3·3	47·1	+2·2
	27	69	3rd	35	5th	58·7	42·2	50·1	+ 3·5	2	0·10	3	- 4	Westminster	6·0	+ 2·0	46	1	27	—	—	—	—
	149	70	3rd	33	5th	58·9	39·3	48·6	+ 3·4	2	0·11	3	- 6	Greenwich	6·9	+ 2·7	52	4	22	—	—	—	—
	450	66	3rd	35	5, 8	55·7	39·7	47·3	—	2	0·13	3	—	Hampstead	7·1	—	54	—	—	—	—	—	—
	110	71	3rd	34	5th	62·3	39·7	50·5	+ 3·8	2	0·06	2	- 6	Camden Square	—	—	—	2	27	—	—	—	—
7. a, ENGLAND, N.W.																							
	487	56	7th	32	8, 9	50·9	38·4	44·4	+ 1·3	1	0·02	0·4	- 12	Aspatria	4·9	- 0·3	37	1	30	45·5	+1·6	44·2	+0·3
	559	58	7th	30	8th	53·6	36·1	44·4	+ 2·2	1	0·03	1	- 10	Newton Rigg	6·0	+ 0·9	45	3	23	—	—	—	—
	375	58	6th	34	3rd	53·0	38·0	45·1	+ 2·0	4	0·40	10	- 5	Stonyhurst	5·7	+ 0·7	43	0	31	—	—	—	—
	66	57	7, 8	34	8th	53·6	40·4	46·7	+ 2·9	3	0·09	2	- 8	Blackpool	6·1	+ 0·2	46	2	28	48·0	—	46·3	—
	37	57	7, 8	32	8th	52·7	40·0	46·1	+ 2·0	3	0·07	2	- 8	Southport	6·1	+ 0·4	46	3	20	47·4	+3·3	47·1	+3·2
														Hoylake	6·0	+ 0·6	45	—	—	—	—	—	—
	188	56	7th	37	8, 9	52·0	41·9	46·7	+ 2·0	1	0·04	1	- 8	Liverpool	5·7	—	43	0	31	—	—	—	—
	22	58	6th	32	8th	52·9	40·1	46·2	+ 0·8	1	0·04	1	- 6	Manchester (City)	3·8	- 0·3	29	0	34	45·1	+2·7	46·2	+2·5
	125	57	7th	35	8th	53·1	38·9	45·7	+ 0·6	2	0·17	4	- 6	Whitworth Park	?3·7	- 0·1	28	—	—	—	—	—	—
v, NORTH WALES.																							
	22	56	7th	35	8th	52·1	41·4	46·5	+ 1·2	3	0·17	4	- 5	Llandudno	4·9	- 0·9	37	—	—	—	—	—	—
	16	54	5, 7	37	8th	52·4	41·9	46·9	+ 2·0	3	0·09	2	- 9	Holyhead	5·5	—	42	1	28	—	—	—	—
	60	58	8th	38	8th	54·0	42·9	48·2	—	2	0·15	4	—	Aberdovey	5·9	+ 0·3	45	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

‡ Sunshine at Cranwell.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal	No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from average.
8. a, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	57	7,8	37	8th	52·0	42.3	46·9	—	2	0·12	3	—									
a Rhayader	767	54	6th	28	8th	50,9	36·6	43·4	—	1	0·29	7	—	Aberystwyth ..	5·9	+ 0·8	45	—	—	—	—	—	—
t St. Ann's Head ..	149	56	6,8	37	8,9	52·4	42·1	47·0	+ 1·9	0	0·00	0	— 11	Rhayader ..	4·2	—	32	3	17	—	—	—	—
p Cardiff	202	62	6th	35	8th	54·7	39·7	46·8	+ 1·9	1	0·04	1	— 13	St. Ann's Head	6·7	+ 1·1	51	—	—	—	—	—	—
														Cardiff	6·3	—	48	2	29	49·0	+ 4·4	47·4	+ 2·8
b, ENGLAND, S.W.																						
h Bath	66	61	3,6	35	8th	56·1	38·9	47·1	+ 1·8	1	0·02	1	— 9	Bath	6·7	+ 1·6	51	—	—	49·7	+ 4·4	48·3	+ 3·0
a Shaftesbury	722	62	3rd	32	8th	55·0	37·9	46·0	+ 2·0	1	0·06	1	— 10	Shaftesbury ..	—	—	—	—	—	49·6	—	47·5	—
a Arlington	613	57	6th	36	5,8	52·7	38·8	45·4	+ 1·3	1	0·11	3	— 14										
h Newquay	190	56	8th	36	5th	52·4	41·1	46·5	+ 0·1	1	0·03	1	— 10	Newquay ..	7·4	+ 1·9	56	—	—	49·9	—	49·0	—
a Cullompton	202	63	6th	32	5th	57·6	37·0	46·8	+ 1·2	1	0·06	1	— 11	Cullompton ..	6·0	+ 1·1	46	5	23	49·7	—	—	—
t Portland Bill	19	56	3,6	40	7–9	53·3	42 0	47·4	+ 1·8	0	0·00	0	— 9	Weymouth ..	8·0	—	61	—	—	—	—	—	—
p Plymouth	116	60	6th	36	5th	55·1	41·1	47·8	+ 1·1	1	0·03	1	— 11	Plymouth ..	7·0	+ 1·5	53	1	30	49·1	+ 2·0	48·7	—
a Falmouth	167	58	6th	37	9th	56·4	41·1	48·4	+ 1·9	1	0·05	1	— 13	Falmouth ..	6·2	+ 0·4	47	1	30	50·7	—	50·4	—
9. IRELAND, N.																						
a West .. *t* Malin Head ..	208	56	7th	39	8th	51·6	44·0	47·6	+ 3·8	2	0·09	2	— 9	Malin Head ..	5·7	—	43	—	—	—	—	—	—
t Blacksod Point	10	57	7,8	36	7th	54·4	42·6	48·2	+ 2·9	1	0·02	1	— 17	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	4·8	— 0·1	36	2	26	48·7	+ 3·1	46 5	+ 1·6
p Markree Castle ..	122	61	7th	32	9th	57·1	40·4	48·4	+ 4·2	2	0·11	3	— 13										
b, East .. *p* Armagh	204	58	5th	32	9th	55·0	39·7	47·0	+ 3·1	3	0·06	1	— 11	Armagh	6·1	+ 1·3	46	2	22	47·2	+ 2·9	46·0	+ 1·6
t Donaghadee ..	35	58	5th	37	4th	53·7	41·0	47·1	+ 3·0	0	0·00	0	— 11										
10. IRELAND, S.																						
p Dublin, City	54	57	5th	40	8th	54·1	43·3	48·4	+ 2·2	1	0·01	0·3	— 10	Trinity Coll. ..	3·8	—	28	0	37	48·6	+ 3·3	47·7	+ 2·2
Birr Castle	175	58	7,8	33	8,9	55·8	40·3	47·4	+ 2·9	2	0·06	2	— 10	Phœnix Park ..	4·8	— 0·6	36	2	29	—	—	—	—
a Kilkenny	195	57	7th	34	9th	54·6	40·6	47·3	+ 2·3	1	0·04	1	— 11	Dublin City ..	—	—	—	0	33	—	—	—	—
a Waterford	137	57	6th	38	8th	55 0	41·7	48·0	+ 2·0	0	0·00	0·1	— 14	Birr Castle ..	5·3	+ 0·4	41	2	23	—	—	—	—
p Seskin, Carrick-on-Suir	542	59	6th	34	9th	54·6	39·0	46·4	—	2	0·03	1	—	Seskin	4·7	—	36	3	24	—	—	—	—
a Cahir	109	57	5,6	34	8th	55·6	38·9	46·9	+ 1·7	1	0·01	0·3	—										
a Foynes	50	60	7th	35	8th	55·7	41·0	48·0	+ 1·9	1	0·02	1	— 13										
Cahirciveen (Val. Obs.)	30	60	7th	34	8th	55·1	42·6	48·6	+ 1·8	1	0·02	1	— 20	Cahirciveen ..	7·1	+ 1·9	54	1	30	—	—	—	—
a Killarney	174	65	7th	33	9th	58·1	40·7	49·0	+ 2·8	2	0·05	1	— 18	Ballinacurra ..	6·1	+ 0·5	47	—	—	—	—	—	—
t Roche's Point	32	56	9th	39	9th	54·4	42·9	48·4	+ 2·1	2	0·03	1	— 14										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	58	6th	41	9th	53·9	44·3	48·9	+ 1·3	1	0·01	0·2	— 10	Scilly	7·5	+ 1·9	57	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	63	3rd	38	5th	56·0	44·3	49·9	+ 2·2	70	70·00	7 0	— 10	St. Heliers ..	9·1	+ 3·1	70	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	61	3,6	42	5th	56·4	44·3	50·1	+ 2·3	2	0·04	1	— 10	Guernsey† ..	9·3	+ 3·4	71	0	32	51·2	+ 3·5	49·6	+ 2·1

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 9th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur- ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur- ation.	6 to 10 m/s. Dur- ation.	2 to 5 m/s. Dur- ation.	Less than 2 m/s. Dur- ation	No Record. Dur- ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	0	2 to 5	18	77	70	3	0	250	13	2	12	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	0	—	0	0	80	88	0	220	5	3	15	13	3	14	15
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	28	106	34	0	210	9	3	{14 / 15}	—	—	—	—
Edinburgh	485	39	31		0	5	3	88	53	24	0	240	12	5	5	18	5	5	20
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	0	9	10	61	65	32	0	60	13	9	10	21	9	8	10
Paisley	188	81	15	—	0	—	0	54	75	39	0	70	11	9	13	23	9	13	40
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	0	—	0	16	75	77	0	220	7	3	13	15	3	13	10
South Shields	72	61	12	—	0	5,9	2	49	86	31	0	280	12	5	10	18	5	9	50
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	0	7 to 9	37	76	54	11	0	110	13	9	8	24	9	8	45
Shoeburyness	103	90	‡	—	0	7,8	5	17	94	22	0	50	11	8	12	16	8	12	30
4. MIDLAND COUNTIES. Benson	270	84	‡	—	0	8	2	52	81	33	0	50	12	8	16	17	8	15	50
5. ENGLAND, S.E. Brighton	261	53	6	—	0	—	0	54	97	17	0	—	9	8	16	17	7	14	45
Larkhill, S'y Plain ..	513	63	43	—	0	8	12	111	45	0	0	20	13	8	17	17	{8 / 9}	{21 / 9}	{0 / 55}
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	44	90	34	0	{70 / 30}	10	{7 / 8}	{13 / 18}	17	9	10	50
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	0	4,5,9	4	95	69	0	0	60	12	9	14	—	—	—	—
Southport	80	62	48	—	0	3 to 5, 9	19	100	44	5	0	60	14	9	12	23	9	14	10
Holyhead	60	40	‡	—	0	3,9	16	85	49	12	6	60	16	9	13	26	9	15	40
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	7	1	3, 4, 7 to 9	59	96	7	5	0	110	18	7	11	21	7	11	20
Plymouth	185	88	2		0	8	3	60	97	8	0	—	14	8	22	22	8	21	45
Lyme Regis	556	61	‡	—	Instrument out of order			—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	0	5,9	21	68	56	23	0	260	15	5	9	—	—	—	—
Quilty	100	40	‡	—	0	3,7,9	6	105	52	5	0	—	12	9	15	19	9	15	55
Cahirciveen (Val. Obs.)	98	41	‡	—	0	—	0	50	89	29	0	30	9	9	15	15	9	17	25
Weaver Pt.	160	30	‡	—	0	9	1	48	105	14	0	—	12	9	18	16	9	18	35
11. ENGLISH CHANNEL Scilly	150	32	‡	—	0	—	0	58	100	10	0	100	11	7	13	15	(?)7	8	35

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTEENTH WEEK of 1921—April 3rd to April 9th, 1921.

DISTRICTS' (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	31	84·2	76·9	80·3	+ 1·9	35	+ 13	8	−14	2	− 2	0·45	12	− 8	4·6	+0·2	34	1024
Eastern.																			
1. SCOTLAND, EAST ...	60	21	85·1	75·7	80·2	+ 1·6	42	+ 16	15	−10	1	− 3	0·06	2	− 8	5·6	+0·6	42	1026
2. ENGLAND, N.E.	64	24	84·8	76·3	80·3	+ 1·1	39	+ 11	11	− 7	2	− 1	0·13	3	− 4	5·4	−0·1	41	1026
3. ENGLAND, EAST ...	70	28	85·6	76·4	80·8	+ 1·1	44	+ 9	11	− 7	2	− 1	0·07	2	− 5	7·7	+2·1	59	1025
4. MIDLAND COUNTIES ...	67	28	85·8	76·2	80·8	+ 1·0	46	+ 8	12	− 8	1	− 2	0·16	4	− 5	5·5	+0·4	42	1026
5 ENGLAND, S.E.	69	26	86·4	77·1	81·6	+ 1·0	49	+ 11	7	− 4	1	− 2	0·06	1	− 7	7·6	+2·0	58	1024
Western.																			
6. SCOTLAND, WEST ...	62	30	84·9	77·1	80·8	+ 1·3	40	+ 12	7	−10	3	− 1	0·23	6	− 10	3·9	−1.3	30	1027
7. ENGLAND, N.W.	58	30	84·3	77·3	80·7	+ 1·0	36	+ 6	6	− 9	2	− 1	0·12	3	− 8	5·6	+0·4	43	1027
8. ENGLAND, S.W.	63	28	85·4	77·2	81·1	+ 0·7	43	+ 7	7	− 2	1	− 2	0·07	2	− 11	6·3	+1·1	48	1026
9. IRELAND, NORTH ...	61	32	85·5	78·2	81·7	+ 1·9	42	+ 11	2	−11	2	− 2	0·06	2	− 12	5·5	+0·7	41	1026
10. IRELAND, SOUTH ...	65	33	85·9	78·2	81·9	+ 1·2	45	+ 7	2	− 7	1	− 3	0·03	1	− 13	5·8	+0·6	45	1028
11. ENGLISH CHANNEL ...	63	38	86·0	79·8	82·8	+ 1·1	53	+ 11	0	− 2	1	− 3	0·02	1	− 9	8·7	+2·7	66	1025
MEAN: DISTRICTS **1-10** ...	70	21	85·4	77·0	80·9	+ 1·1	42	+ 10	8	− 8	2	− 2	0·10	3	− 8	5·9	+0·7	45	1026

THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, February 27th to April 9th, 1921.

0. SCOTLAND, NORTH ...	62	16	82·0	75·7	78·7	+ 1·5	130	+ 54	99	− 77	30	+ 1	8·39	214	+ 70	2·8	−0·5	24	1008
Eastern.																			
1. SCOTLAND, EAST ...	69	8	82·6	75·3	78·8	+ 1·6	156	+ 61	113	− 85	22	− 3	2·87	73	− 7	4·0	+0·3	33	1012
2. ENGLAND, N.E.	70	24	84·3	76·5	80·3	+ 2·3	221	+104	60	− 93	19	− 4	0·98	25	− 35	4·1	0·0	35	1016
3. ENGLAND, EAST ...	70	26	85·0	76·2	80·5	+ 2·2	252	+106	74	− 84	14	− 7	0·99	27	− 29	5·3	+1·2	44	1020
4. MIDLAND COUNTIES ...	69	27	84·6	76·4	80·4	+ 2·1	233	+ 80	65	−101	19	− 2	1·61	41	− 22	4·1	+0·4	34	1020
5. ENGLAND, S.E.	69	22	84·9	76·6	80·6	+ 1·7	247	+ 92	60	− 61	18	− 3	1·38	34	− 32	5·2	+1·0	43	1021
Western.																			
6. SCOTLAND, WEST ...	62	19	82·5	76·6	79·5	+ 1·4	151	+ 45	65	− 75	32	+ 7	6·76	172	+ 52	2·6	−1·1	22	1015
7. ENGLAND, N.W.	64	21	83·2	77·4	80 2	+ 1·8	178	+ 61	37	− 91	25	+ 2	3·12	79	− 6	3·4	−0·4	29	1018
8. ENGLAND, S.W.	68	23	84·1	77·2	80·5	+ 1·4	212	+ 60	42	− 59	23	0	2·87	73	− 27	4·2	+0·1	35	1021
9. IRELAND, NORTH ...	61	23	83·4	77·3	80·2	+ 1·4	184	+ 53	39	− 78	29	+ 1	3·55	90	− 10	2·9	−0·6	25	1014
10. IRELAND, SOUTH ...	65	23	84·2	77·8	80·9	+ 1·4	219	+ 48	28	− 61	26	+ 2	3·63	93	− 12	3·1	−0·9	26	1018
11. ENGLISH CHANNEL ...	65	33	84·9	79·2	82·0	+ 1·4	268	+ 79	5	− 29	18	− 7	1·67	43	− 40	5·5	+0·6	46	1022
MEAN: DISTRICTS **1-10** ...	70	8	83·9	76·7	80·2	+ 1·7	205	+ 71	58	− 79	23	− 1	2·78	71	− 13	3·9	0·0	33	1018

THE YEAR 1921.—Aggregates, &c., for the Period of 14 Weeks, January 2nd to April 9th, 1921.

0. SCOTLAND, NORTH ...	62	16	81·1	75·3	78·2	+ 1·5	233	+104	281	−180	69	− 1	19·86	506	+111	1·9	−0·2	19	1010
Eastern.																			
1. SCOTLAND, EAST ...	69	8	81·4	74·6	78·0	+ 1·5	239	+ 88	351	−181	51	− 6	7·46	188	− 6	2·8	+0·1	29	1013
2. ENGLAND, N.E.	70	22	82·6	76·0	79·3	+ 2·1	370	+183	211	−215	43	−10	3·54	91	− 46	2·7	−0·1	27	1016
3. ENGLAND, EAST ...	70	23	83·3	76·0	79·6	+ 2·3	445	+223	195	−256	38	−14	3·10	81	− 54	3·5	+0·5	35	1019
4. MIDLAND COUNTIES ...	69	23	82·9	76·1	79·5	+ 2·2	391	+153	207	−261	42	−10	4·17	107	− 50	2·6	0·0	25	1019
5. ENGLAND, S.E.	69	22	83·4	76·8	80·0	+ 2·0	449	+194	145	−208	44	− 7	4·07	103	− 64	3·3	+0·3	32	1020
Western.																			
6. SCOTLAND, WEST ...	62	19	81·7	76·3	79·0	+ 1·5	282	+100	195	−175	69	+ 6	15·55	395	+ 71	2·0	−0·5	20	1015
7. ENGLAND, N.W.	64	20	82·4	77·0	79·7	+ 2·0	353	+156	128	−223	54	− 2	8·27	209	− 8	2·5	−0·1	25	1018
8. ENGLAND, S.W.	68	22	83·0	77·3	80·2	+ 1·7	427	+149	110	−170	51	− 6	6·97	177	− 80	2·8	−0·1	28	1020
9. IRELAND, NORTH ...	61	23	82·8	77·2	80·0	+ 1·8	397	+158	114	−196	64	− 3	8·87	225	− 28	2·1	−0·4	21	1014
10. IRELAND, SOUTH ...	65	23	83·5	77·7	80·5	+ 1·5	470	+139	94	−147	62	+ 1	9·33	238	− 39	2·2	−0·7	22	1018
11. ENGLISH CHANNEL ...	65	32	83·9	79·4	81·6	+ 1·5	565	+183	22	− 82	52	−11	4·80	122	− 95	3·6	+ 0·1	35	1021
MEAN: DISTRICTS **1-10** ...	70	8	82·7	76·5	79·6	+ 1·9	382	+154	175	−203	52	− 5	7·13	181	− 30	2·7	c./ −1·0	26	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
15th April, 1921.

METEOROLOGICAL OFFICE
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29 JUN 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 15.

FIFTEENTH WEEK.

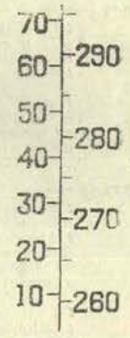
SUNDAY, APRIL 10TH, TO SATURDAY, APRIL 16TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), 21 10s 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Although, except in the Channel Islands, the amount of sunshine was above the normal and ranged from an excess of 0·8 hr. per day in Scotland W. to 3·3 hr. per day in England S.E. mean temperature differed but little from the normal. It was below in Scotland, in the northern part of England and in Ireland, and above on the East Coast, the Midlands, England S.E. and S.W. In Scotland and many places in the north of England there was a decided fall of temperature on Wednesday, the maximum temperature that day being lower than the previous day by 12° F. at Aberdeen and Crieff, 13° F. at Edinburgh, and 17° F. at Durham and West Witton. Further south a still more marked change took place on Thursday, the maximum temperature compared with the previous day falling 20° F. at Little Massingham, 21° F. at Yarmouth, Norwich, Clacton and Margate.

The coldest night of the week was that of Saturday, when the temperature nearly everywhere fell below the freezing point and was down to 20° F. at Balmoral, 19° F. at West Linton and 18° F. at Eskdalemuir. The minimum on the grass went as low as 14° F. at Durham and Rounton, 13° F. at West Linton and 11° F. at Balmoral. Over the country generally no rain fell until Wednesday, but the amounts during the last few days brought the total up above the normal except in Scotland W. and England N.E. On the last three days of the week snow, hail and sleet were reported from a large number of stations. Several peals of thunder were heard at Raunds during Thursday afternoon and thunder was heard at Norwich on Saturday.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	2·3	9	2·1	3	2·9	6	2·4	4	5·5	3	5·3	7	3·1	4	2·1
North	13	10·1	15	4·4	23	4·8	20	2·8	22	6·5	21	5·2	16	5·0	19	4·8
West	19	7·3	19	5·3	14	4·2	14	3·6	16	7·0	12	6·7	18	6·5	12	3·6
East	7	3·4	7	2·6	10	4·2	10	2·2	11	5·8	13	4·6	8	2·9	11	4·0
Calm	1	—	2	—	1	—	2	—	1	—	0	—	2	—	5	—

* For Deerness the week ends at midnight on Friday.

† For the period 8th June, 1919–9th April, 1921, England E. was represented by Shoeburyness.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ...	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Light	Moderate
Sunshine ...	Abundant	Abundant	Moderate	Very abundant	Abundant	Very abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 7 weeks from February 27th, 1921. Warmth ...	5, 2, 0	5, 1, 1	6, 1, 0	6, 1, 0	6, 1, 0	6, 1, 0	5, 2, 0	6, 1, 0	5, 2, 0	6, 1, 0	5, 2, 0	6 1, 0
Rainfall ...	6, 1, 0	2, 3, 2	0, 1, 6	1, 2, 4	1, 4, 2	0, 4, 3	2, 4, 1	2, 3, 2	1, 4, 2	1, 5, 1	1, 4, 2	1, 3, 3
Sunshine ...	1, 4, 2	1, 4, 2	1, 6, 0	5, 2, 0	3, 3, 1	5, 2, 0	1, 2, 4	3, 2, 2	3, 3, 1	2, 2, 3	2, 2, 3	2, 4, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour

(32964—19) Wt. 67—610/P 142 500 4/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date	Mean for the Week.			Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	m.m.	mm.		hr	hr.	%		°F.	°F.	°F	°F.	
0. SCOTLAND, N.																						
a. Islands..	54	51	10th	29	16th	45·0	37·0	40·8	+ 0·7	5	1·54	39	+ 24									
p Deerness, Orkney	165	53	11th	29	16th	45·7	35·9	40·6	− 0·4	5	0·95	24	+ 10	Deerness	6·8	+ 2·2	48	—	—	—	—	—
t Stornoway	51	56	10th	29	15, 16	47·9	36·3	41·8	− 0·3	5	1·42	36	+ 16	Stornoway	4·7	− 0·2	33	—	—	—	—	—
t Castlebay, Barra I.	37	55	10th	32	15th	46·7	40·1	43·2	—	5	0·87	22	—	Castlebay	6·1	—	44	—	—	—	—	—
b. Mainland. t Wick	81	54	12th	28	16th	45·9	36·7	41·1	− 0·5	5	0·54	14	+ 1									
a Strathpeffer	125	60	11th	28	16th	49·7	34·4	41·7	− 0·8	5	1·09	28	+ 15									
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
a Fort Augustus..	88	56	11, 12	26	15, 16	49·7	33·0	41·0	− 1·4	3	0·26	7	− 10									
p Fort William	171	61	11th	27	15th	50·9	34·4	42·3	− 1·1	4	0·81	21	− 9									
1. SCOTLAND, E.																						
t Nairn	82	58	12th	28	15th	47·7	33·6	40·3	− 2·3	4	0·30	8	− 3	Nairn	4·6	—	33	—	—	—	—	—
p Gordon Castle	101	60	12th	29	16th	50·3	34·6	42·1	− 0·8	4	0·41	10	− 2	Gordon Castle..	5·4	—	39	—	—	—	—	—
t Aberdeen	46	62	12th	28	16th	49·0	36·3	42·4	− 0·1	4	0·51	13	0	Aberdeen	6·2	+ 1·3	45	4	22	—	—	—
a Balmoral	930	62	11th	20	16th	48·9	29·3	38·6	− 0·8	5	0·89	18	+ 2	Balmoral	—	—	—	5	11	—	—	—
p Crieff	432	65	12th	25	16th	51·7	33·3	42·1	− 1·2	4	0·57	14	− 1	Crathes	5·8	+ 1·1	42	3	24	43·8	+1·2	42·9
a Dundee	244	65	12th	25	15, 16	53·3	33·7	43·0	+ 0·2	2	0·22	6	− 6	Dundee	6·2	—	45	4	16	45·6	—	—
t Leith	30	63	12th	29	16th	49·3	36·9	42·8	− 1·3	3	0·13	3	− 6	Leith	—	—	—	4	23	—	—	—
p Edinburgh	441	62	12th	27	16th	48·4	35·3	41·5	− 1·1	2	0·11	3	− 7	Edinburgh	4·8	+ 0·5	34	4	23	—	—	—
a West Linton	789	54	12th	19	16th	48·0	31·3	39·3	− 0·7	4	0·28	7	—	West Linton	—	—	—	4	13	—	—	—
p Marchmont	498	—	—	—	—	—	—	—	—	3	0·13	3	− 11	Marchmont	4·7	+ 0·2	34	—	—	—	—	—
6. a. SCOTLAND, W.																						
a Ford (Argyll)	149	60	10th	26	16th	49·3	33·3	40·9	—	4	1·45	37	—	Ford (Argyll)	—	—	—	6	22	45·5	—	44·8
p Glasgow Observatory	180	57	12th	30	15, 16	49·3	36·7	42·7	− 1·2	3	0·27	7	− 5	Glasgow	6·3	+ 2·3	46	4	20	—	—	—
t Renfrew	49	59	12th	28	16th	51·0	35·7	43·0	—	2	0·40	10	—	Renfrew	6·1	—	44	4	16	—	—	—
p Rothesay	200	57	10th	29	15, 16	49·3	35·3	42·0	− 2·3	4	0·62	16	− 2	Rothesay	7·0	—	51	4	24	45·4	—	46·0
a Kilmarnock	90	58	10, 12	27	16th	51·3	36·1	43·3	+ 0·1	3	0·42	11	− 2	Kilmarnock	6·0	—	43	—	—	45·0	—	45·0
a Colmonell	170	63	10th	31	12th	51·9	37·7	44·5	+ 1·0	3	0·62	16	+ 1	Colmonell	—	—	—	2	29	—	—	—
p Dumfries	160	62	12th	25	16th	52·1	35·0	43·1	− 1·1	2	0·49	12	− 1	Dumfries	7·0	—	51	4	16	45·7	+1·5	45·2
t Eskdalemuir	794	60	12th	18	16th	49·1	30·7	39·5	—	4	0·81	21	—	Eskdalemuir	6·7	—	49	4	14	—	—	—
b. I. OF MAN h Douglas	284	57	12th	32	16th	50·7	38·1	44·1	0·0	4	0·84	21	+ 6	Douglas	8·2	+ 2·4	60	3	26	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	66	12th	28	16th	51·3	35·1	42·8	+ 0·1	4	0·29	7	− 5									
t Tynemouth	118	63	12th	28	15, 16	48·1	37·6	42·6	− 0·4	3	0·33	8	− 1	Cockle Park	6·3	+ 1·8	46	3	15	43·8	+1·2	45·3
p Durham	336	67	12th	25	16th	50·9	34·6	42·4	− 0·5	3	0·24	6	− 4	Durham	5·3	+ 0·9	38	3	14	—	—	—
c. North p Rounton	249	65	12th	25	16th	49·7	35·1	42·1	− 0·7	3	0·28	7	− 4	Rounton	—	—	—	4	14	45·3	—	—
a West Witton	605	66	12th	27	15th	50·9	34·4	42·3	—	3	0·33	8	—	West Witton	—	—	—	4	22	43·9	—	43·9
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough†	—	—	—	—	—	—	—	—
p York	56	55	13th	27	16th	49·0	36·0	42·2	− 2·6	3	0·34	9	− 1	York	5·3	+ 1·0	39	—	—	45·9	+1·4	45·7
b South t Spurn Head	26	52	10th	30	16th	46·7	38·0	42·1	− 1·8	2	0·36	9	+ 2	Spurn Head	—	—	—	—	—	—	—	—
a Lincoln	58	66	12th	28	15, 16	55·1	37·4	45·8	+ 0·7	3	0·54	14	+ 5	Lincoln	—	—	—	2	25	46·4	+2 0	46·9
a Fulbeck	180	66	12th	25	15th	53·3	36·3	44·4	− 0·6	5	0·41	10	+ 1	Fulbeck	6·1	+ 1·0	45	2	19	—	—	—
														Skegness	7·4	+ 2·0	54	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	67	13th	30	16th	52·3	37·4	44·5	+ 0·3	3	0·50	13	+ 5	Cromer	7·1	+ 1·8	52	—	—	—	—	—
a Little Massingham	277	65	13th	28	15th	52·6	36·3	44·1	− 0·5	4	0·67	17	+ 7	Lit. Massingham	8·0	+ 3·0	59	—	—	—	—	—
t Yarmouth	13	69	13th	32	15, 16	53·0	39·9	46 1	+ 2 2	4	0·80	20	+ 10	Yarmouth	9·1	—	67	1	30	49·0	+2·3	48·6
a Norwich	93	68	13th	31	15th	55·0	37·9	46·0	+ 1·2	4	0·96	24	+ 13	Norwich	8·5	—	63	2	27	47·6	—	—
a Geldeston	37	71	13th	29	15th	56·0	36·3	45·7	+ 1·2	4	0·72	18	+ 9	Geldeston	8·3	+ 3·1	61	—	—	—	—	—
p Cambridge	41	69	13th	29	15th	56·0	37·0	46·0	+ 0·6	4	0·33	8	− 1	Cambridge	7·0	+ 1·9	52	3	23	48·7	+2·2	48·1
t Clacton-on-Sea	54	69	13th	32	15th	54·4	40·1	46·9	+ 2·4	3	0·56	14	+ 6	Clacton	8·9	+ 3·3	65	2	27	48·7	+2·3	49·0
a Rothamsted	420	66	13th	29	15, 16	53·4	36·7	44·7	+ 0·2	3	0·79	20	+ 10	Rothamsted	7·4	+ 2·5	55	3	21	46·4	—	—
p Tottenham	51	70	13th	32	15, 16	57·1	40·4	48·4	—	2	0·57	14	—	Tottenham	8·6	—	63	0	31	—	—	48·7
														S'thend-on-Sea	9·3	—	68	2	29	50·1	+3·7	—
4. MIDLAND COUNTIES.																						
a North h Barrogate	479	61	12th	26	15, 16	48·9	33·9	41·0	− 2·0	4	0·38	10	− 1	Harrogate	4·6	− 0·3	34	4	19	44·4	+1·0	45·7
p Sheffield	429	64	12th	29	15, 16	51 1	37·1	43·8	—	4	0·43	11	—	Sheffield	5·8	+ 1·4	43	2	23	44·7	+1·3	45·4
h Buxton	987	62	12th	26	16th	48·7	33·6	40·8	− 0·9	4	1·10	28	+ 11	Buxton	5·7	—	42	4	22	44·2	+1·1	44·4
b. East a Worksop	56	66	12th	25	15th	56·9	35·4	45·6	+ 1·0	3	0·47	12	+ 3	Worksop	5·7	+ 1·4	42	5	15	47·6	—	47·1
t Nottingham	82	65	12th	28	16th	53·6	37·7	45·3	+ 0·5	4	0·26	7	− 1	Nottingham	5·5	+ 0 9	41	2	23	45·3	+0·8	46·0
p Birmingham, Edgbsn.	525	64	12th	29	16th	53·6	37·7	45·3	+ 0·7	4	0·64	16	+ 6	Birmingham	6·1	+ 2·4	45	4	23	45·1	+1·7	46·0
a Raunds	203	68	13th	27	15th	54·4	36·7	45·1	0·0	4	0·41	10	+ 2	Raunds	6·6	—	49	2	26	46 8	—	—
p Oxford	208	66	12, 13	29	16th	55·4	39·0	46·8	+ 1·0	3	0·06	14	+ 5	Oxford	6·9	+ 2·0	51	2	24	—	—	—
														Malvern	6·6	—	48	1	28	48·0	—	47·8
a Cheadle (N. Staffs.)	646	61	12th	27	16th	52·1	33·7	42·5	− 1·0	3	0·98	25	+ 13	Cheadle	—	—	—	3	22	—	—	—
c. West p Tenbury	313	65	12, 13	28	16th	54·6	36·6	45·2	0·0	4	0·72	18	+ 9	Tenbury	—	—	—	2	23	47·9	—	—
a Hereford	291	67	13th	29	16th	55·0	37·6	45·9	+ 0·4	4	0·29	7	− 3	Ross-on-Wye	6·2	—	45	2	20	49·4	—	48·6
a Clifton	225	65	12th	31	16th	53·1	40·3	46·4	− 0·1	3	0·51	13	0	Clifton	7·9	—	58	1	30	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	67	12th	29	16th	55 3	37·0	45·7	+ 1·5	3	0·52	13	+ 3	Worthing	9·0	+ 3·4	67	2	29	50·4	+3·1	49·1
a Porton	340	67	12th	23	16th	56·9	36·5	46·2	—	2	0·22	6	—	Marlborough	7·7	+ 3·2	57	2	20	49·1	—	47·9
a Wisley, Surrey	160	70	13th	30	15, 16	57·3	37·9	47·1	+ 1·5	3	0·47	12	+ 5	Porton	—	—	—	3	15	48·8	—	—
h Tunbridge Wells	354	68	13th	29	16th	57·6	37·8	47·1	+ 1·6	3	0·71	18	+ 9	Wisley	8·7	+ 3·7	64	4	16	48·6	+2·9	47·6
h Margate	61	70	13th	32	16th	54·0	41·7	47·6	+ 1·8	3	0·49	12	+ 5	Tunbridge Wells	8·5	+ 3·3	63	3	23	50·3	—	48·6
														Margate	8·7	+ 3·4	64	1	30	50·1	+4·1	49·6
t Dungeness	21	61	10, 11	28	15th	54·1	39·4	46·4	+ 1·4	4	0·35	9	+ 2	Folkestone	8·5	—	63	—	—	—	—	48·0
h St. Leonards	178	65	12th	31	15th	56·0	40·6	47·9	+ 2·1	3	0·69	18	+ 10	St. Leonards	9·1	+ 3·5	68	2	27	50·7	—	48·4
p Southampton	64	69	13th	28	16th	58·3	37·4	47·4	+ 0·1	2	0·52	13	+ 4	Southampton	8·6	+ 3·2	64	3	20	—	—	—
a Ventnor	58	64	11, 12	32	15, 16	56·7	41·2	48·6	+ 1·6	4	0·67	17	+ 8	Ventnor	8·2	+ 2·5	61	—	—	—	—	—
LONDON a Richmond (Kew Obs.)	18	69	13th	32	15, 16	55·8	39·6	47·3	+ 1·2	3	0·40	10	+ 3	Richmond	8·4	+ 3·5	62	3	27	48·2	+2·3	47·8
a Westminster	27	72	13th	33	16th	58·4	40·4	49·0	+ 2·0	3	0·45	11	+ 4	Westminster	8·5	+ 4·5	62	2	27	—	—	—
ag Greenwich	149	73	13th	32	15, 16	58·6	38·9	48·3	+ 1·9	3	0·46	12	+ 3	Greenwich	8·5	+ 4·0	63	3	24	—	—	—
a Hampstead	450	69	13th	29	15, 16	55·6	37·7	46 2	—	3	0·49	12	—	Hampstead	8·6	—	63	3	25	—	—	—
ag Camden Square	110	73	13th	30	15th	61·3	39·0	49·6	+ 2·4	3	0·44	11	+ 3	Camden Square	—	—	—	2	26	—	—	—
7. a. ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	60	12th	26	16th	50·0	34·0	41 6	− 1·9	3	0·50	13	0	Aspatria	6·1	+ 1·2	45	4	20	44·7	−0·5	45·1
p Newton Rigg	559	64	12th	25	16th	52·3	32·1	41·7	− 0·9	1	0·39	10	− 2	Newton Rigg	6·3	+ 1·4	46	5	15	—	—	—
p Stonyhurst	375	63	12th	28	16th	51·3	36·6	43·6	+ 0·1	3	1·21	31	+ 15	Stonyhurst	6·7	+ 1·9	49	2	21	—	—	—
h Blackpool	66	60	11th	32	16th	52·3	37·0	44·3	+ 0·1	3	1·11	28	+ 17	Blackpool	8·4	+ 2·8	61	3	22	47·1	—	46·8
h Southport	37	63	12th	30	16th	53·0	38·0	45·1	+ 0·6	3	0·87	22	+ 11	Southport	8·5	+ 3 1	61	3	20	47·1	+1·2	47·5
														Hoylake	7·6	+ 2·5	56	—	—	—	—	—
t Liverpool (Bidston)	188	65	12th	33	16th	52·4	39·4	45·6	+ 0·5	4	0·49	12	+ 2	Liverpool	7·0	—	51	2	26	—	—	—
a Hawarden Bridge	22	65	12th	31	16th	53·4	39·7	44·7	− 1·1	4	0·63	16	+ 8	Manchester (City)	5·7	+ 1·6	42	—	—	45·5	+1·9	46·8
p Manchester (Whit. Pk.)	125	68	12th	29	16th	53·6	36·7	44·7	− 0·8	2	0·81	21	+ 10	Whitworth Park	5·2	+ 1·5	38	—	—	—	—	—
v. NORTH WALES.																						
h Llandudno	22	58	12th	35	15, 16	50·3	39·7	44·8	− 0·8	3	0·77	20	+ 9	Llandudno	6 4	+ 0·8	46	—	—	—	—	—
t Holyhead	15	58	12th	34	16th	50·9	40·1	45·2	0·0	3	1·07	27	+ 15	Holyhead	6·0	—	44	1	28	—	—	—
a Aberdovey	60	66	12th	33	16th	53·4	40·1	46·4	—	4	0·98	25	—	Aberdovey	5·7	+ 0·4	42	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																								
h Aberystwyth	16	61	11th	35	15, 16	50·4	39·7	44·8	—	4	0·95	24	—	Aberystwyth ..	5·7	+ 0·3	42	—	F.	—	—	—	—	—
a Rhayader	757	64	12th	24	16th	52·0	36·9	44·1	—	4	0·88	22	—	Rhayader ..	7·7	—	57	3	14	—	—	—	—	—
t St. Ann's Head ..	149	59	10th	37	15, 16	51·4	40·4	45·6	+ 0·1	3	0·20	5	— 6	St. Ann's Head ..	6·9	+ 1·1	51	—	—	—	—	—	—	—
p Cardiff	202	64	12th	31	16th	53·4	38·6	45·6	0·0	2	0·43	11	— 3	Cardiff	7·8	—	57	2	22	48·3	+ 2·3	48·1	+ 2·8	
b ENGLAND, S.W.																								
h Bath	66	67	12th	30	16th	55·4	39·3	47·0	+ 1·0	5	0·55	14	+ 3	Bath	6·9	+ 1·6	51	—	—	50·1	—	49·1	—	
a Shaftesbury	722	65	12th	28	15, 16	54·1	36·6	44·9	+ 0·2	3	0·36	9	— 2	Shaftesbury ..	—	—	—	—	—	48·6	—	47·8	—	
a Arlington	613	64	12th	30	15th	51·9	37·8	44·5	— 0·2	4	0·93	24	+ 7											
h Newquay	19	60	11th	35	16th	51·2	42·4	46·6	— 0·2	4	0·25	6	— 5	Newquay ..	6·0	+ 0·2	45	—	—	—	—	—	—	
a Cullompton	202	67	12th	32	16th	57·0	38·4	47·3	+ 1·0	4	0·47	12	0	Cullompton ..	7·6	+ 2·4	56	2	22	50·0	—	—	—	
t Portland Bill	19	56	11–13	33	16th	52·3	41·1	46·4	+ 0·3	2	0·36	9	0	Weymouth ..	8·7	—	65	—	—	—	—	—	—	
p Plymouth	116	63	11th	33	16th	55·9	141·4	48·3	+ 1·0	3	0·40	10	— 2	Plymouth ..	7·3	+ 1·5	54	1	28	50·1	+ 1·5	49·2	—	
a Falmouth	167	59	11, 13	34	16th	53·4	41·6	47·2	+ 0·3	7	0·51	13	— 1	Falmouth ..	6·2	+ 0·2	46	2	30	51·1	—	51·1	—	
9. IRELAND, N.																								
a West .. { *t* Malin Head	208	54	12th	32	16th	47·7	40·1	43·7	— 0·6	4	0·87	22	+ 12	Malin Head ..	6·3	—	46	—	—	—	—	—	—	
t Blacksod Point	10	56	12th	35	15th	50·7	39·4	44·8	— 1·0	4	0·33	8	— 7	Mallarany ..	6·9	—	50	2	23	—	—	—	—	
a Mallarany	120	63	11th	31	16th	55·6	37·4	46·1	—	4	0·74	19	—	Markree Castle	6·9	+ 1·8	51	5	22	48·3	+ 1·2	46·7	+ 1·1	
p Markree Castle ..	122	63	11th	28	15, 16	53·6	34·9	43·8	— 0·8	4	1·00	25	+ 11											
b, East .. { *p* Armagh	204	63	12th	28	15th	52·4	35·6	43·6	— 0·9	4	0·45	12	+ 1	Armagh	6·2	+ 1·2	46	5	24	47·3	+ 1·6	46·8	+ 1·8	
t Donaghadee	35	54	10th	30	16th	49·7	38·3	43·7	— 1·0	4	0·32	8	— 3											
10. IRELAND, S.																								
p Dublin, City	54	57	12th	31	16th	51·3	38·7	44·7	— 1·8	5	0·29	7	— 3	Trinity Coll. ..	6·3	—	46	3	27	47·8	+ 1·3	48·1	+ 2·0	
Birr Castle	175	64	12th	28	16th	52·7	35·3	43·6	— 1·3	4	0·41	10	— 1	Phœnix Park ..	7·1	+ 1·5	52	3	28	—	—	—	—	
a Kilkenny	195	65	12th	28	16th	54·6	36·4	45·1	— 0·3	4	0·26	7	— 4	Dublin City ..	—	—	—	2	26	—	—	—	—	
a Waterford	137	64	12th	30	16th	54·6	38·4	46·1	— 0·2	2	0·18	5	— 8	Birr Castle ..	7·4	+ 2·2	54	2	22	—	—	—	—	
p Seskin, Carrick-on-Suir	542	65	12th	28	16th	53·9	36·1	44·6	—	4	0·22	6	—	Seskin	7·4	—	54	3	22	—	—	—	—	
a Cahir	198	61	12th	28	16th	54·0	36·7	44·9	— 0·6	3	0·46	12	—											
a Foynes	50	63	12th	34	16th	53·6	40·9	47·0	+ 0·6	4	0·44	11	— 2											
Cahirciveen (Val. Obs.)	30	65	12th	36	15th	54·3	41·4	47·5	+ 0·6	4	0·48	12	— 7	Cahirciveen ..	7·2	+ 1·8	53	1	30	—	—	—	—	
a Killarney	174	64	11th	32	16th	55·9	37·4	46·2	— 0·2	4	0·49	12	— 5	Ballinacurra ..	7·2	+ 1·5	53	—	—	—	—	—	—	
t Roche's Point	32	59	10, 13	32	16th	53·6	40·0	46·5	0·0	2	0·22	6	— 8											
11. ENGLISH CHANNEL.																								
t Scilly, St. Mary's ..	131	56	12th	37	16th	52·0	42·7	47·1	— 0·7	6	0·35	9	— 1	Scilly	5·4	— 0·6	40	—	—	—	—	—	—	
t Jersey, St. Aubins ..	25	61	10, 12	33	16th	53·9	43·7	48·6	+ 0·4	5	0·62	16	+ 6	St. Heliers ..	6·0	— 0·4	45	—	—	—	—	—	—	
a Guernsey (Villa Carey)	180	61	12th	36	16th	54·6	44·6	49·4	+ 1·1	6	0·47	12	+ 1	Guernsey† ..	7·3	+ 1·0	54	2	25	51·4	+ 2·6	50·5	+ 2·4	

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 16th, 1921.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	13, 14	12	12 to 15	56	43	51	6	0	340	22	14	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	14	88	66	0	340	8	14	7	21	14	9	40
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	14	8	55	80	25	0	300	13	14	5	—	—	—	—
Edinburgh	485	39	51	—	0	13 to 14	8	80	62	18	0	320	14	14	10	23	14	8	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	10, 14, 15	17	73	57	21	0	340	15	14	7	24	14	7	30
Paisley	188	81	15	—	0	14	1	88	58	21	0	320	11	14	13	22	14	13	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	14	6	27	89	46	0	330	14	14	13	25	14	12	30
South Shields	72	61	12	—	0	14	6	52	97	13	0	340	16	14	10	25	14	10	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	10, 14, 16	10	88	65	5	0	350	13	14	16	24	14	15	50
Shoeburyness	103	90	‡	—	0	—	0	30	116	22	0	330	9	14	11	19	14	15	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	14	2	85	72	9	0	320	11	14	13	19	14	12	38
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	75	78	15	0	—	10	14	14	19	14	14	5
Larkhill, S'y Plain ..	513	63	43	—	0	14, 15	13	128	27	0	9	310	13	14	10	18	14	9	30
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	28	125	15	0	300	9	14	13	17	15	14	30
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	14	14	10, 13 to 15	20	74	49	11	0	300	22	14	7	—	—	—	—
Southport	80	62	45	14	4	10, 13 to 15	35	82	42	5	0	300	19	14	8	24	14	7	50
Holyhead	60	40	‡	14	5	10, 11, 13 to 16	65	78	14	6	0	290	19	14	9	26	14	17	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	11	1	11 to 16	42	112	11	2	0	70	17	11	5	21	11	5	56
Plymouth	186	88	2	—	0	16	2	55	97	4	10	—	12	16	22	18	15	14	26
Lyme Regis	556	61	‡	—	Instrument out of order			—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	10, 13 to 15	22	95	43	8	0	40	14	10	1	—	—	—	—
Quilty	100	40	‡	—	0	13, 14, 16	19	98	44	7	0	—	13	16	24	21	16	19	50
Cahirciveen (Val. Obs.)	98	41	‡	—	0	16	1	113	43	11	0	280	11	16	20	20	15	18	0
Weaver Pt.	160	30	‡	—	0	15	2	90	71	5	0	—	12	15	15	21	15	15	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	14, 16	4	72	77	15	0	280	12	14	4	22	15	17	25

† More exactly the ranges adopted for this classification are > 17·1, 16·8 to 17·1, 6·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTEENTH WEEK of 1921—April 10th to April 16th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	26	82·0	74·8	78·3	− 0·1	17	− 4	26	+ 4	5	0	0·94	24	+ 2	5·8	+1·5	41	1014
Eastern.																			
1. SCOTLAND, EAST ...	65	19	82·6	73·9	78·1	− 0·6	20	− 8	32	+ 9	4	0	0·38	10	− 3	5·4	+0·8	39	1014
2. ENGLAND, N.E.	67	25	83·3	75·4	79·2	− 0·2	32	+ 3	16	+ 1	3	− 1	0·35	9	− 1	6·1	+1·2	44	1013
3. ENGLAND, EAST ...	71	28	85·4	76·3	80·7	+ 0·6	43	+ 6	11	− 3	3	0	0·66	16	+ 6	8·1	+2·9	59	1013
4. MIDLAND COUNTIES ...	68	25	85·1	75·7	80·2	+ 0·1	42	+ 3	14	− 2	4	+ 1	0·52	13	+ 3	6·1	+1·4	45	1014
5. ENGLAND, S.E.	70	23	86·4	76·8	81·4	+ 0·7	49	+ 9	9	− 1	3	0	0·50	13	+ 4	8·5	+3·3	63	1014
Western.																			
6. SCOTLAND, WEST ...	63	25	83·3	75·2	79·1	− 0.5	32	+ 1	17	+ 2	3	− 1	0·67	17	+ 1	7·3	+2.3	53	1015
7. ENGLAND, N.W.	68	25	84·1	75·8	79·7	− 0·2	36	+ 4	14	+ 2	3	0	0·76	19	+ 7	6·7	+1·8	49	1015
8. ENGLAND, S.W.	67	24	85·1	77·0	80·8	+ 0·1	40	+ 2	8	0	4	+ 1	0·51	13	0	6·8	+1·3	50	1016
9. IRELAND, NORTH ...	64	28	83·6	75·9	79·6	− 0·5	33	− 1	13	+ 2	4	0	0·56	14	+ 1	6·6	+1·6	48	1017
10. IRELAND, SOUTH ...	65	28	85·1	76·6	80·6	− 0·2	41	+ 1	10	+ 2	4	0	0·36	9	− 5	7·2	+1·7	53	1019
11. ENGLISH CHANNEL ...	61	33	84·9	79·5	82·1	+ 0·2	45	+ 1	0	− 1	6	+ 3	0·48	12	+ 2	6·2	−0·1	46	1016
MEAN: DISTRICTS **1-10** ...	71	19	84·4	75·9	79·9	− 0·1	37	+ 2	14	+ 1	4	0	0·53	13	+ 1	6·9	+1·8	50	1015

THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, February 27th to April 16th, 1921.

0. SCOTLAND, NORTH ...	62	16	82·0	75·5	78·6	+ 1·2	147	+ 50	125	− 73	35	+ 1	9·33	238	+ 72	3·3	−0·1	27	1009
Eastern.																			
1. SCOTLAND, EAST ...	69	8	82·6	75·1	78·7	+ 1·3	176	+ 53	145	− 76	26	− 3	3·25	83	− 10	4·2	+0·4	34	1012
2. ENGLAND, N.E.	70	24	84·1	76·4	80·1	+ 1·9	253	+107	76	− 92	22	− 5	1·33	34	− 36	4·4	+0·2	36	1016
3. ENGLAND, EAST ...	71	26	85·1	76·2	80·5	+ 1·9	295	+112	85	− 87	17	− 7	1·65	43	− 23	5·7	+1·4	46	1019
4. MIDLAND COUNTIES ...	69	25	84·6	76·3	80·3	+ 1·8	275	+ 83	79	−103	23	− 1	2·13	54	− 19	4·4	+0·6	36	1019
5. ENGLAND, S.E.	70	22	85·1	76·6	80·7	+ 1·5	296	+101	69	− 62	21	− 3	1·88	47	− 28	5·7	+1·4	46	1020
Western.																			
6. SCOTLAND, WEST ...	63	19	82·6	76·4	79·4	+ 1·1	182	+ 45	81	− 74	35	+ 6	7·41	188	+ 52	3·4	−0·5	28	1015
7. ENGLAND, N.W.	68	21	83·3	77·1	80·1	+ 1·5	214	+ 65	51	− 89	28	+ 2	3·88	98	+ 1	3·9	−0·1	32	1017
8. ENGLAND, S.W.	68	23	84·2	77·2	80·5	+ 1·2	252	+ 62	50	− 59	27	+ 1	3·38	86	− 27	4·6	+0·3	38	1020
9. IRELAND, NORTH ...	64	23	83·4	77·1	80·1	+ 1·1	217	+ 52	52	− 76	33	+ 1	4·11	104	− 9	3·4	−0·4	28	1014
10. IRELAND, SOUTH ...	65	23	84·3	77·6	80·8	+ 1·1	260	+ 49	38	− 59	30	+ 2	3·99	102	− 17	3·7	−0·5	30	1018
11. ENGLISH CHANNEL ...	65	33	84·9	79·3	82·0	+ 1·2	313	+ 80	5	− 30	24	− 4	2·15	55	− 38	5·6	+0·5	46	1021
MEAN: DISTRICTS **1-10** ...	71	8	83·9	76·6	80·1	+ 1·4	242	+ 73	72	− 78	26	− 1	3·30	84	− 12	4·3	+0·3	35	1017

THE YEAR 1921.—Aggregates, &c., for the Period of 15 Weeks, January 2nd to April 16th, 1921.

0. SCOTLAND, NORTH ...	62	16	81·2	75·3	78·2	+ 1·6	250	+100	307	−176	74	− 1	20·80	530	+113	2·1	−0·2	21	1010
Eastern.																			
1. SCOTLAND, EAST ...	69	8	81·4	74·6	78·0	+ 1·4	259	+ 80	383	−172	55	− 6	7·84	198	− 9	3·0	+0·2	30	1013
2. ENGLAND, N.E.	70	22	82·7	76·0	79·3	+ 1·6	402	+186	227	−214	46	−11	3·89	100	− 47	2·9	−0·2	29	1016
3. ENGLAND, EAST ...	71	23	83·4	76·0	79·7	+ 2·2	488	+229	206	−259	41	−14	3·76	97	− 48	3·8	+0·7	36	1019
4. MIDLAND COUNTIES ...	69	23	83·0	76·1	79·5	+ 2·0	433	+156	221	−263	46	− 9	4·69	120	− 47	2·8	0·0	27	1019
5. ENGLAND, S.E.	70	22	83·6	76·8	80·1	+ 1·9	498	+203	154	−209	47	− 7	4·57	116	− 60	3·6	+0·5	34	1020
Western.																			
6. SCOTLAND, WEST ...	63	19	81·8	76·2	79·0	+ 1·3	313	+100	211	−174	72	+ 5	16·20	411	+ 71	2·4	−0·3	23	1015
7. ENGLAND, N.W.	68	20	82·5	76·9	79·7	+ 1·8	389	+160	142	−221	57	− 2	9·03	228	− 1	2·8	0·0	27	1017
8. ENGLAND, S.W.	68	22	83·2	77·3	80·2	+ 1·6	467	+151	118	−170	55	− 5	7·48	190	− 80	3·1	0·0	30	1020
9. IRELAND, NORTH ...	64	23	82·8	77·1	79·9	+ 1·6	430	+157	127	−194	68	− 3	9·43	239	− 27	2·4	−0·3	23	1014
10. IRELAND, SOUTH ...	65	23	83·6	77·6	80·5	+ 1·4	511	+140	104	−145	66	+ 1	9·69	247	− 44	2·5	−0·6	24	1018
11. ENGLISH CHANNEL ...	65	32	84·0	79·4	81·7	+ 1·5	610	+184	22	− 83	58	− 8	5·28	134	− 93	3·7	0·0	35	1021
MEAN: DISTRICTS **1-10** ...	71	8	82·8	76·5	79·6	+ 1·7	419	+156	189	−203	55	− 5	7·66	195	− 29	2·9	0·0	28	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
22nd April, 1921.

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SIXTEENTH WEEK.

SUNDAY, APRIL 17TH, TO SATURDAY, APRIL 23RD, 1921.

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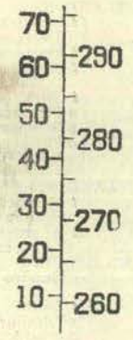
I.—GENERAL SUMMARY. [First published in 1878.]

Temperature during the week was nearly everywhere lower than that of the previous week, the variation from the normal much more decided and remarkably uniform. In eight districts the deficit ranged between 1·3 a and 1·5 a. The warmest days of the week were generally towards the end, but the temperature nowhere exceeded 62° F. and in most places failed to reach 60° F. The coldest night occurred for the most part either on Monday or Wednesday, the lowest readings being 25° F. at Ford (Argyll), Balmoral and Tenbury, 23° F. at Eskdalemuir and 21° F. at Porton (Wilts.). On the night of Wednesday–Thursday the grass minimum went down to 17° F. at Porton, to 16° F. at Wisley and to 14° F. at Birmingham and Rhayader. Except in Scotland N. with a deficit of 8mm. rainfall did not differ much from the normal, there being no difference in Scotland W. In no other district did the difference exceed 3mm. At only two stations was the week's total more than 25mm., these being Aberdeen with 26mm. and Mallarany (Co. Mayo) 37mm. Rather more than an average amount of sunshine was registered at most places during the week, many stations recording sunshine each day. Tuesday and Wednesday were in general the sunniest days of the week, on one or other of which nearly 12 hrs. were recorded. There were 12 hrs. at Douglas (Isle of Man) on Tuesday and slightly more than this at Scarborough.

Snow, sleet and hail were reported in the earlier part of the week, Edinburgh having a fall of snow which on Monday measured 3 ins. in depth. There was thunder at Tenbury on Saturday and a thunderstorm at Clacton.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	10	4·4	12	4·6	12	4·9	10	2·9	9	5·7	5	3·6	15	3·0	10	5·1
North	16	3·6	6	2·9	13	3·9	13	2·8	15	4·9	20	6·2	9	5·3	15	6·2
West	16	3·2	18	3·2	15	3·0	11	1·7	15	4·3	17	6·7	21	4·9	15	5·6
East	8	3·8	4	2·2	9	5·7	7	2·0	8	2·4	7	2·0	3	2·5	10	1·0
Calm	1	—	5	—	0	—	5	—	3	—	0	—	1	—	2	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 8 weeks from February 27th, 1921.	Warmth ...	5, 3, 0	5, 1, 2	6, 2, 0	6, 2, 0	6, 2, 0	6, 1, 1	5, 3, 0	6, 2, 0	5, 3, 0	6, 1, 1	5, 2, 1	6 1 1
	Rainfall ...	6, 2, 0	2, 4, 2	0, 2, 6	1, 3, 4	1, 5, 2	0, 5, 3	2, 5, 1	2, 4, 2	1, 5, 2	1, 6, 1	1, 5, 2	1, 4, 3
	Sunshine ...	2, 4, 2	3, 4, 1	1, 7, 0	5, 3, 0	3, 4, 1	5, 3, 0	2, 2, 4	4, 2, 2	4, 3, 1	3, 2, 3	3, 2, 3	3 4, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour

(33049—19) Wt 67—610/P 142 500 4/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.			
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands..	t Lerwick	54	48	21, 23	30	17th	45·6	37·0	41·1	- 0·4	4	0·43	11	- 1									
	p Deerness, Orkney ..	105	52	21st	34	17, 18	48·0	36·8	42·0	- 0·4	5	0·24	5	- 5	Deerness ..	5·0	- 0·2	34	—	—	—	—	—	—
	t Stornoway	31	51	19th	34	18, 19	48·9	37·7	43·0	- 0·5	6	0·75	19	+ 3	Stornoway ..	5·9	+ 0·3	40	—	—	—	—	—	—
	t Castlebay, Barra I. ..	37	49	20th	37	18th	47·0	41·1	43·9	—	4	0·40	10	—	Castlebay ..	6·9	—	47	—	—	—	—	—	—
b. Mainland.	t Wick	81	53	23rd	32	18th	48·4	36·6	42·2	- 0·9	5	0·24	6	- 5									
	a Strathpeffer	125	54	20, 21	32	20, 22	50·0	35·4	42·4	- 1·8	1	0·07	2	- 9									
	p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
	a Fort Augustus.. .	68	55	20th	26	18th	49·9	33·4	41·3	- 2·7	2	0·15	4	- 10									
	p Fort William	171	54	23rd	30	18, 19	50·4	36·0	42·9	- 2·2	5	0·60	15	- 8									
1. SCOTLAND, E.																							
	t Nairn	82	57	20th	30	18th	51·4	34·1	42·3	- 1·7	2	0·11	3	- 5	Nairn	5·6	—	38	—	—	—	—	—	—
	p Gordon Castle ..	101	55	20th	32	19th	50·3	34·7	42·1	- 2·2	4	0·21	5	- 4	Gordon Castle..	4·9	—	34	—	—	—	—	—	—
	t Aberdeen	46	54	21st	34	18th	50·1	36·9	43·2	- 0·6	6	0·99	25	+ 16	Aberdeen ..	5·4	0·0	37	4	23	—	—	44·3	+1·6
	a Balmoral	930	53	20th	25	22nd	46·7	30·1	38·0	- 2·9	4	0·33	8	- 3	Balmoral ..	—	—	—	5	20	—	—	—	—
	p Crieff	432	54	20th	31	19th	49·6	33·4	41·1	- 3·7	2	0·36	9	- 2	Crathes	4·5	- 0·6	31	4	28	41·4	-2·5	42·7	+0·3
	a Dundee	244	56	23rd	30	19th	51·7	34·1	42·5	- 1·8	4	0·82	21	+ 12	Dundee	6·8	—	47	5	20	43·7	—	—	—
	t Leith	30	56	20, 22	33	18, 19	51·7	36·9	43·9	- 1·6	—	—	—	—	Leith	—	—	—	3	27	—	—	—	—
	p Edinburgh	441	54	21st	32	18th	49·1	36·0	42·2	- 1·8	3	0·40	10	+ 3	Edinburgh ..	6·1	+ 1·4	42	2	29	—	—	—	—
	a West Linton	769	51	20th	26	22nd	47·5	30·9	38·8	- 2·6	5	0·70	18	—	West Linton ..	—	—	—	5	19	—	—	—	—
	p Marchmont	498	—	—	—	—	—	—	—	—	5	0·44	11	0	Marchmont .	5·1	+ 0·2	36	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
	a Ford (Argyll)	149	53	20th	26	19th	49·2	33·7	41·1	—	3	0·95	24	—	Ford (Argyll) ..	—	—	—	4	22	44·2	—	45·4	—
	p Glasgow Observatory	180	53	20th	33	19th	49·3	37·0	42·9	- 2·3	4	0·28	7	- 5	Glasgow.. ..	5·9	+ 1·7	41	4	25	—	—	—	—
	Renfrew	49	54	20th	28	19th	50·4	35·9	42·8	—	2	0·28	7	—	Renfrew	6·2	—	43	4	18	—	—	—	—
	p Rothesay	200	54	20th	33	19th	49·3	35·9	42·3	- 3·3	3	0·73	19	+ 3	Rothesay ..	6·0	—	42	4	27	44·6	—	45·1	+0·4
	a Kilmarnock	90	55	20th	28	19th	51·6	35·4	43·1	- 1·4	3	0·67	17	+ 5	Kilmarnock ..	5·7	—	39	—	—	44·3	—	45·1	—
	a Colmonell	170	55	20th	30	19th	50·3	38·0	43·9	- 0·9	4	0·74	19	+ 6	Colmonell ..	—	—	—	2	24	—	—	—	—
	p Dumfries	180	52	20th	31	20, 22	49·7	35·0	42·0	- 3·5	5	0·25	6	- 6	Dumfries ..	6·0	—	42	5	24	44·6	-1·4	45·0	+0·1
	t Eskdalemuir	794	50	23rd	23	20, 22	47·4	29·4	38·0	—	6	0·87	22	—	Eskdalemuir ..	5·6	—	39	5	18	—	—	—	—
c. I. OF MAN	h Douglas	284	51	20th	36	18, 19	49·1	38·3	43·4	- 2·0	5	0·52	13	0	Douglas	7·7	+ 1·6	55	3	28	—	—	—	—
2. ENGLAND, N.E.																							
	a Alnwick Castle ..	210	56	21st	30	18th	50·1	35·3	42·3	- 1·6	5	0·57	15	+ 5									
	t Tynemouth	118	56	21st	35	17, 18	50·1	37·4	43·5	- 0·6	6	0·30	8	0	Cockle Park ..	5·7	+ 0·9	40	6	24	42·7	-1·4	44·3	+0·8
	p Durham	336	55	21–23	28	18th	51·7	33·0	41·9	- 2·2	5	0·31	8	0	Durham	6·2	+ 1·6	43	6	16	—	—	—	—
c. North ..	p Rounton	249	56	22, 23	28	18th	52·0	33·4	42·3	- 1·6	6	0·37	9	0	Rounton	—	—	—	6	18	44·2	—	—	—
	a West Witton	605	57	22nd	32	18, 20	52·9	34·4	43·2	—	6	0·25	6	—	West Witton ..	—	—	—	5	24	43·1	—	43·7	—
	h Scarborough	118	62	21st	35	17th	54·6	39·1	46·5	+ 1·5	5	0·32	8	0	Scarborough† ..	5·7	+ 0·5	40	—	—	—	—	47·2	—
	p York	56	57	23rd	30	18th	51·7	35·9	43·4	- 2·7	6	0·57	14	+ 5	York	5·4	+ 0·9	38	—	—	45·1	-0·7	45·9	+1·5
b. South ..	t Spurn Head	26	56	23rd	36	17th	48·6	39·3	43·7	- 1·4	4	0·16	4	- 2	Spurn Head ..	—	—	—	—	—	—	—	—	—
	a Lincoln	58	57	21, 22	32	19th	53·1	37·3	41·8	- 1·7	5	0·27	7	0	Lincoln	—	—	—	3	30	44·7	-1·4	46·9	+2·4
	a Fulbeck	180	56	21, 23	31	18–20	53·0	35·7	43·9	- 2·4	6	0·18	5	- 3	Fulbeck	5·6	+ 0·2	40	4	25	—	—	—	—
															Skegness ..	5·4	- 0·3	38	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	196	53	21st	30	17th	50·4	37·1	43·4	- 1·8	4	0·17	4	- 1	Cromer	6·1	+ 0·3	43	—	—	—	—	—	—
	a Little Massingham ..	277	56	22nd	31	17th	50·6	35·4	42·6	- 3·0	3	0·55	14	+ 7	Lit. Massingham	4·7	- 0·7	33	—	—	—	—	—	—
	t Yarmouth	13	52	22, 23	34	17th	49·7	38·3	43·7	- 1·2	2	0·14	4	- 3	Yarmouth ..	5·3	—	38	1	30	47·4	-1·3	48·1	+0·5
	a Norwich	93	57	22nd	33	20th	51·7	37·3	44·2	- 1·7	2	0·44	11	+ 4	Norwich ..	4·2	—	30	4	27	46·3	—	—	—
	a Geldeston	37	57	22nd	30	20th	52·1	35·4	43·4	- 2·1	2	0·23	6	0	Geldeston ..	3·4	- 2·3	24	—	—	—	—	—	—
	p Cambridge	41	59	22nd	28	20th	53·1	36·1	44·2	- 2·2	3	0·17	4	- 2	Cambridge ..	5·5	- 0·2	39	4	22	47·5	-0·5	48·2	+1·4
	Clacton-on-Sea ..	54	56	23rd	32	20th	50·9	38·7	44·5	- 1·0	3	0·54	14	+ 7	Clacton	4·3	- 1·9	31	3	28	46·8	—0·9	48·5	+1·0
	a Rothamsted	420	55	21, 22	30	20th	50·6	34·4	42·1	- 3·4	4	0·46	12	+ 5	Rothamsted ..	5·4	+ 0·1	39	5	19	44·3	—	—	—
	p Tottenham	51	58	22nd	32	20th	52·6	37·9	44·9	—	4	0·49	12	—	Tottenham ..	5·3	—	38	0	31	—	—	48·9	+2·1
															S'thend-on-Sea	3·9	—	28	1	28	47·9	-0·6	—	—
4. MIDLAND COUNTIES.																							
a. North ..	h Harrogate	479	54	22, 23	31	18th	50·7	34·1	42·0	- 2·1	4	0·22	6	- 2	Harrogate	5·8	+ 0·6	41	4	23	43·7	-0·3	45·1	+1·3
	p Sheffield	429	58	22nd	33	17th	51·1	36·6	43·5	—	5	0·17	4	—	Sheffield.. ..	5·2	+ 0·5	37	4	28	43·6	-1·2	44·9	+1·6
	h Buxton	987	54	22nd	29	18th	47·4	33·3	40·0	- 2·9	5	0·52	13	0	Buxton	5·7	—	40	5	26	42·1	-2·8	44·2	+1·2
b. East ..	a Worksop	56	61	23rd	31	19, 20	55·7	35·4	45·1	- 0·7	4	0·26	7	0	Worksop	5·4	+ 0·8	38	5	23	46·9	—	46·8	—
	t Nottingham	82	58	22nd	30	20th	52·3	37·1	44·3	- 1·7	5	0·25	6	- 1	Nottingham ..	5·0	0·0	35	4	25	44·4	- 1·7	45·3	+1·5
	p Birmingham, Edgbsn.	525	57	22nd	31	20th	50·7	35·9	42·9	- 2·9	5	0·21	5	- 3	Birmingham ..	4·2	+ 1·2	30	4	14	42·6	-1·8	45·9	+1·3
	a Raunds	203	58	22nd	28	20th	52·4	34·6	43·1	- 3·2	3	0·29	7	0	Raunds	5·4	—	39	3	25	45·1	—	—	—
	p Oxford	208	59	23rd	30	20th	53·6	37·3	45·1	- 1·9	3	0·18	5	- 2	Oxford	4·9	- 0·3	35	2	25	—	—	—	—
															Malvern	5·4	—	39	3	26	46·4	—	47·7	—
c. West ..	a Cheadle (N. Staffs.) ..	646	58	22nd	32	20th	50·9	35·0	42·6	- 2·1	4	0·22	6	- 3	Cheadle	—	—	—	4	24	—	—	—	—
	p Tenbury	313	57	22, 23	25	20th	53·0	32·7	42·4	- 3·9	4	0·42	11	+ 4	Tenbury	—	—	—	4	22	46·0	—	—	—
	a Hereford	291	59	23rd	28	20th	52·7	34·1	43·0	- 3·7	4	0·20	5	- 3	Ross-on-Wye ..	5·4	—	38	4	21	48·2	—	48·6	—
	a Clifton	225	59	23rd	31	17th	52·0	36·6	43·9	- 3·9	3	0·09	2	- 7	Clifton	6·7	—	48	0	32	—	—	—	—
5. ENGLAND, S.E.																							
	a Marlborough	424	59	23rd	25	20th	52·6	33·9	42·8	- 2·4	4	0·20	5	- 5	Worthing	6·3	+ 0·1	45	1	28	48·6	-0·4	49·3	+2·0
	a Porton	340	60	23rd	21	20th	53·7	32·1	42·4	—	5	0·63	16	—	Marlborough ..	5·2	+ 0·3	37	5	21	47·5	—	48·4	—
	a Wisley, Surrey ..	150	60	23rd	29	20th	54·0	35·6	44·4	- 2·2	3	0·20	5	- 2	Porton	—	—	—	4	17	46·9	—	—	—
	h Tunbridge Wells ..	354	57	22nd	28	20th	52·4	34·4	43·0	- 3·5	3	0·47	12	+ 3	Wisley	5·2	- 0·2	37	6	16	46·7	-0·5	47·6	+1·4
	h Margate	51	57	22nd	36	17, 20	50·9	40·6	45·5	- 1·3	2	0·16	4	- 3	Tunbridge Wells	4·2	- 1·5	30	6	22	48·0	—	48·7	—
															Margate	4·1	- 1·6	29	0	31	47·1	-0·2	49·3	+2·9
	t Dungeness	21	56	22nd	31	20th	50·7	37·6	43·8	- 2·2	3	0·54	14	+ 7	Folkestone ..	4·1	—	29	—	—	—	—	48·0	—
	h St. Leonards	178	56	21st	36	17, 18, 20	51·7	38·9	45·0	- 1·8	4	0·61	16	+ 8	St. Leonards ..	5·2	- 1·0	37	3	29	48·1	—	48·8	—
	h Southampton	64	61	23rd	28	20th	55·3	36·7	45·6	- 2·7	6	0·31	8	- 1	Southampton ..	6·3	+ 0·4	46	3	20	—	—	—	—
	a Ventnor	59	59	23rd	36	20th	54·0	40·6	47·0	- 0·9	6	0·46	12	+ 4	Ventnor	6·7	+ 0·6	48	—	—	—	—	—	—
LONDON	a Richmond (Kew Obs.)	18	58	23rd	32	19, 20	52·2	36·6	44·0	- 3·1	3	0·56	14	+ 7	Richmond ..	5·2	- 0·2	37	3	22	46·0	-1·4	48·0	+1·6
	a Westminster	27	58	21, 22	32	20th	54·3	38·1	45·8	- 2·2	3	0·50	13	+ 6	Westminster ..	4·5	+ 0·1	32	4	26	—	—	—	—
	ag Greenwich	149	61	21st	28	20th	55·6	36·3	45·5	- 1·8	3	0·52	13	+ 5	Greenwich ..	4·6	- 0·3	33	4	22	—	—	—	—
	a Hampstead	450	57	21st	33	17, 20	50·9	36·6	43·4	—	5	0·61	15	—	Hampstead ..	5·6	—	40	4	23	—	—	—	—
	ag Camden Square ..	110	60	21, 22	31	20th	55·6	36·9	45·8	- 2·6	4	0·68	17	+ 9	Camden Square	—	—	—	5	25	—	—	—	—
7. a. ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	51	20th	29	19th	47·7	33·7	40·4	- 4·4	4	0·15	4	- 7	Aspatria.. ..	5·5	+ 0·1	38	4	22	43·3	-3·7	44·2	-0·8
	p Newton Rigg	550	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
	p Stonyhurst	375	52	21st	33	18th	49·1	35·4	41·9	- 3·0	2	0·28	7	- 6	Stonyhurst ..	5·8	+ 0·6	41	5	27	—	—	—	—
	h Blackpool	66	54	20, 21	33	18th	50·3	36·1	42·9	- 2·6	3	0·38	10	+ 1	Blackpool ..	7·1	+ 1·0	50	2	28	46·4	—	46·8	—
	h Southport	37	54	21st	34	17, 18	49·9	36·4	42·8	- 3·0	2	0·27	7	- 2	Southport ..	7·3	+ 1·4	51	4	25	46·3	-1·5	47·3	+1·1
															Hoylake ..	6·3	+ 0·6	44	—	—	—	—	—	—
	t Liverpool (Bidston) ..	188	53	21st	34	17th	49·0	37·0	42·7	- 3·7	3	0·24	6	- 2	Liverpool ..	6·2	—	44	4	27	—	—	—	—
	a Hawarden Bridge ..	22	58	20th	29	20th	51·6	35·6	43·2	- 3·9	3	0·21	5	- 2	Manchester (City)	5·2	+ 0·7	37	—	—	44·0	-1·0	46·9	+1·8
	p Manchester (Whit. Pk.)	125	58	22nd	31	20th	51·1	36·0	43·2	- 3·7	4	0·20	5	- 4	Whitworth Park	4·9	+ 0·7	34	—	—	—	—	—	—
v. NORTH WALES.																							
	h Llandudno	22	53	21st	33	20th	50·0	37·9	43·7	- 3·2	3	0·16	4	- 5	Llandudno ..	5·9	- 0·2	42	—	—	—	—	—	—
	t Holyhead	10	53	20, 21, 23	39	17, 18, 20	50·3	41·0	45·4	- 0·9	4	0·50	13	+ 3	Holyhead ..	—	—	—	2	28	—	—	—	—
	a Aberdovey	60	54	21st	35	20th	51·9	39·3	45·3	—	5	0·29	7	—	Aberdovey ..	7·2	+ 1·4	51	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
c. a. SOUTH WALES.																						
h Aberystwyth	16	51	20-22	33	19th	48·9	39·0	43·7	—	5	0·64	16	—	Aberystwyth ..	7·2	+ 1·8	51	—	—	—	—	—
a Rhayader	757	53	22nd	23	20, 21	49·1	33·1	40·7	—	5	0·26	7	—	Rhayader ..	5·9	—	42	4	14	—	—	—
t St. Ann's Head ..	148	52	23rd	38	18, 19	50·0	40·3	44·9	- 1·2	3	0·41	11	+ 1	St. Ann's Head ..	8·5	+ 2·6	61	—	—	—	—	—
p Cardiff	202	58	23rd	33	19, 20	53·1	37·1	44·7	- 1·8	3	0·26	7	- 5	Cardiff	6·8	—	49	4	21	47·0	- 0·6	48·1	+ 2·0
b. ENGLAND, S.W.																						
h Bath	66	59	23rd	28	20th	53·6	36·9	44·9	- 2·1	3	0·24	6	- 4	Bath	4·9	- 0·6	35	—	—	48·5	+ 0·4	49·4	+ 2·5
a Shaftesbury	722	56	22, 23	32	17, 18	51·7	35·6	43·3	- 2·3	4	0·51	13	+ 3	Shaftesbury ..	—	—	—	—	—	47·1	—	48·1	—
a Arlington	613	54	23rd	30	20th	50·3	38·4	43·0	- 2·5	4	0·61	15	0										
h Newquay	190	54	21, 23	32	20th	51·2	39·7	45·2	- 2·3	3	0·37	9	0	Newquay ..	8·4	+ 2·5	60	—	—	48·8	—	49·5	—
a Cullompton	202	59	23rd	28	20th	55·3	38·9	45·7	- 1·4	2	0·15	4	- 7	Cullompton ..	6·6	+ 1·3	47	4	20	49·0	—	—	—
t Portland Bill ..	19	54	23rd	39	18th	50·1	40·7	45·2	- 1·7	2	0·24	6	- 2	Weymouth ..	7·2	—	52	—	—	—	—	—	—
p Plymouth	116	57	22nd	32	20th	53·3	38·1	45·3	- 2·8	4	0·21	5	- 6	Plymouth ..	8·7	+ 2·8	62	1	27	49·0	- 0·9	49·6	—
a Falmouth	167	56	22, 23	35	19th	53·7	39·1	46·1	- 1·5	3	0·42	11	- 1	Falmouth ..	9·1	+ 2·9	65	3	29	49·6	—	51·6	—
9. IRELAND, N.																						
a West .. t Malin Head	208	54	20th	38	17th	48·1	40·9	44·3	- 1·3	5	0·26	7	- 4	Malin Head ..	7·2	—	50	—	—	—	—	—	—
t Blacksod Point ..	10	53	20th	37	17th	50·7	40·4	45·3	- 1·8	3	0·81	21	+ 5	Mallarany ..	5·7		40	4	25	—	—	—	—
a Mallarany	120	53	19th	34	19th	51·6	38·0	44·5	—	4	1·45	37	—	Markree Castle	6·6	+ 1·7	46	4	22	47·6	- 1·1	47·8	+ 1·5
p Markree Castle ..	122	52	17, 18, 20	28	19th	51·3	35·1	42·8	- 3·1	6	0·65	17	+ 2										
b, East .. p Armagh	204	55	20th	31	19th	51·6	34·7	42·7	- 3·3	4	0·38	10	- 2	Armagh	6·7	+ 1·9	47	5	24	46·5	- 0·6	46·8	+ 1·0
t Donaghadee	35	51	21, 22	33	20, 22	49·9	35·7	42·5	- 3·5	4	0·22	6	- 6										
10. IRELAND, S.																						
p Dublin, City	54	56	20th	35	19, 22	52·0	38·1	44·7	- 3·2	5	0·53	13	+ 3	Trinity Coll. ..	7·1	—	50	2	30	47·4	- 0·6	48·0	+ 1·1
t Birr Castle	175	53	17, 19, 20	29	19th	51·6	35·3	43·1	- 3·2	6	0·33	8	- 3	Phœnix Park ..	7·6	+ 2·3	53	2	29	—	—	—	—
a Kilkenny	195	55	20th	28	22nd	52·1	34·6	42·9	- 3·9	5	0·29	7	- 4	Dublin City ..	—	—	—	2	30	—	—	—	—
a Waterford	137	54	17, 19, 21	34	20th	53·3	37·7	45·1	- 2·6	5	0·23	6	- 7	Birr Castle ..	6·1	+ 1·2	43	4	20	—	—	—	—
p Seskin, Carrick-on-Suir	542	55	19th	33	20th	52·0	36·1	43·7	—	5	0·24	6	—	Seskin	7·2	—	51	4	21	—	—	—	—
a Cahir	199	56	19th	29	22nd	53·0	36·6	44·4	- 2·5	5	0·46	12	—										
a Foynes	50	59	18th	34	19th	53·7	39·6	46·3	- 1·5	4	0·38	10	- 3										
t Cahirciveen (Val. Obs.)	30	54	20th	33	19th	50·6	40·1	45·1	- 3·1	3	0·73	19	+ 1	Cahirciveen ..	6·6	+ 1·5	47	1	27	—	—	—	—
a Killarney	174	57	19th	31	19th	54·2	38·1	45·8	- 2·0	4	0·35	9	- 8	Ballinacurra ..	7·1	+ 1·7	51	—	—	—	—	—	—
t Roche's Point ..	32	53	19, 23	35	20th	52·0	40·6	46·0	- 1·8	6	0·30	8	- 6										
11. ENGLISH CHANNEL																						
t Scilly, St. Mary's ..	131	55	21, 22	39	20th	52·9	42·0	47·2	- 1·2	3	0·56	14	+ 5	Scilly	8·3	+ 2·1	60	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	56	23rd	33	20, 21	52·3	38·1	44·9	- 4·2	5	0·33	8	- 2	St. Heliers ..	7·2	+ 0·6	52	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	57	23rd	34	20th	53·4	40·4	46·6	- 2·5	3	0·48	12	+ 2	Guernsey† ..	8·8	+ 2·1	63	5	20	49·7	- 0·3	50·8	+ 2·0

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 23rd, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	18, 22	5	65	93	5	0	180	12	22	22	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	97	71	0	210	5	22	20	14	18	13	5
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	21	118	29	0	50	9	18	15	—	—	—	—
Edinburgh	485	39	31	—	0	22, 23	6	41	97	24	0	180	15	22	24	21	22	21	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	22	1	44	73	50	0	190	11	22	20	17	22	19	15
Paisley	188	81	15	—	0	—	0	30	110	28	0	310	8	23	16	21	23	11	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	11	100	57	0	?160	8	17	10	15	17	10	20
South Shields	72	61	12	—	0	—	0	30	99	39	0	150	9	22	15	14	17	9	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	17, 18	14	58	82	14	0	180	13	17	10	20	17	21	10
Shoeburyness	103	90	‡	—	0	17	14	43	89	22	0	180	14	17	7	19	17	6	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	33	91	44	0	160	11	17	4	15	17	3	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	17	2	30	112	24	0	—	13	17	6	20	17	6	30
Larkhill, S'y Plain ..	513	63	43	—	0	23	5	77	86	0	0	260	13	23	17	19	23	16	50
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	6	114	48	0	190	8	17	4	15	23	17	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	23	8	51	101	8	0	320	14	23	19	—	—	—	—
Southport	80	62	48	—	0	23	8	66	87	7	0	300	12	23	19	19	23	13	0
Holyhead	60	40	‡	—	0	17, 21 to 23	7	112	44	5	0	200	11	22	21	18	22	20	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	17, 18, 21 to 23	37	98	22	4	7	220	14	23	1	22	17	10	30
Plymouth	185	88	2	—	0	—	0	72	75	21	0	—	10	23	4	18	23	16	45
Lyme Regis	556	61	‡	—	Instrument out of order			—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	17, 18, 23	5	87	64	12	0	260	12	23	9	—	—	—	—
Quilty	100	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.)	98	41	—	—	0	17, 18, 21, 22	18	99	32	19	0	330	13	17	11	24	17	3	50
Weaver Pt.	160	30	‡	—	0	17, 18, 21 to 23	13	102	45	8	0	—	13	21	12	22	23	12	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	17, 23	18	62	42	22	24	310	16	17	14	28	17	8	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·8 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTEENTH WEEK of 1921—April 17th to April 23rd, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	26	82·4	75·2	78·7	− 0·7	27	− 1	17	0	4	0	0·37	9	− 8	5·4	+0·5	37	1012
Eastern.																			
1. SCOTLAND, EAST ...	57	25	82·8	74·1	78·2	− 1·3	21	− 13	31	+12	4	0	0·45	11	+ 1	5·6	+0·6	39	1013
2. ENGLAND, N.E.	62	28	83·9	75·4	79·4	− 0·7	35	+ 1	16	+ 4	5	+ 2	0·34	9	+ 1	5·7	+0·5	40	1014
3. ENGLAND, EAST ...	59	28	83·7	75·6	79·5	− 1·2	34	− 8	15	+ 4	3	0	0·35	9	+ 2	5·0	−0·6	35	1015
4. MIDLAND COUNTIES ...	61	25	84·3	74·8	79·3	− 1·4	38	− 7	19	+ 6	4	+ 1	0·23	6	− 2	5·3	+0·3	38	1015
5. ENGLAND, S.E.	61	21	84·6	75·6	79·9	− 1·4	39	− 6	15	+ 8	4	+ 1	0·41	11	+ 3	5·3	−0·5	38	1015
Western.																			
6. SCOTLAND, WEST ...	55	26	82·9	75·3	78·9	− 1·4	29	− 8	16	+ 5	4	0	0·59	15	0	6·8	+1·7	48	1014
7. ENGLAND, N.W.	58	29	82·9	75·6	79·1	− 1·6	29	− 9	15	+ 7	3	0	0·26	7	− 3	6·3	+0·9	45	1015
8. ENGLAND, S.W.	59	23	84·1	76·0	79·9	− 1·3	36	− 7	13	+ 7	3	0	0·33	8	− 3	7·4	+1·8	53	1016
9. IRELAND, NORTH ...	55	28	83·3	75·8	79·4	− 1·4	32	− 7	14	+ 7	5	+ 1	0·48	12	− 1	6·6	+1·8	46	1014
10. IRELAND, SOUTH ...	59	28	84·4	76·3	80·1	− 1·5	37	− 8	11	+ 6	5	+ 1	0·40	10	− 3	6·9	+1·7	49	1017
11. ENGLISH CHANNEL ...	57	33	84·6	77·6	80·9	− 1·5	37	− 11	5	+ 5	4	+ 1	0·46	11	+ 1	8·1	+1·5	58	1017
MEAN: DISTRICTS 1-10 ...	62	21	83·7	75·5	79·4	− 1·3	33	− 7	17	+ 7	4	+ 1	0·38	10	− 1	6·1	+0·8	43	1015

THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, February 27th to April 23rd, 1921.

0. SCOTLAND, NORTH ...	62	16	82·0	75·5	78·6	+ 1·0	174	+ 49	142	− 73	39	+ 1	9·70	247	+ 64	3·5	−0·1	28	1009
Eastern.																			
1. SCOTLAND, EAST ...	69	8	82·7	75·0	78·6	+ 0·9	197	+ 40	176	− 64	30	− 3	3·70	94	− 9	4·3	+0·3	35	1012
2. ENGLAND, N.E.	70	24	84·1	76·3	80·0	+ 1·6	288	+108	92	− 88	27	− 3	1·67	43	− 35	4·6	+0·3	37	1016
3. ENGLAND, EAST ...	71	26	84·9	76·1	80·4	+ 1·6	329	+104	100	− 83	20	− 7	2·00	52	− 21	5·6	+1·2	45	1018
4. MIDLAND COUNTIES ...	69	25	84·6	76·1	80·2	+ 1·6	313	+ 76	98	− 97	27	0	2·36	60	− 21	4·5	+0·5	36	1018
5. ENGLAND, S.E.	70	21	85·1	76·5	80·6	+ 1·1	335	+ 95	84	− 54	25	− 2	2·29	58	− 25	5·6	+1·1	45	1019
Western.																			
6. SCOTLAND, WEST ...	63	19	82·7	76·3	79·4	+ 0·8	211	+ 37	97	− 69	39	+ 6	8·00	203	+ 52	3·8	−0·3	31	1015
7. ENGLAND, N.W.	68	21	83·3	77·0	80·0	+ 1·1	243	+ 56	66	− 82	31	+ 2	4·14	105	− 2	4·2	+0·1	34	1017
8. ENGLAND, S.W.	68	23	84·2	77·0	80·5	+ 0·9	288	+ 55	63	− 52	30	+ 1	3·71	94	− 30	4·9	+0·4	40	1019
9. IRELAND, NORTH ...	64	23	83·4	76·9	80·1	+ 0·9	249	+ 45	66	− 69	38	+ 2	4·59	116	− 10	3·8	−0·1	31	1014
10. IRELAND, SOUTH ...	65	23	84·3	77·5	80·8	+ 0·8	297	+ 41	49	− 53	35	+ 3	4·39	112	− 20	4·1	−0·2	33	1018
11. ENGLISH CHANNEL ...	65	33	84·9	79·1	81·9	+ 0·9	350	+ 69	10	− 25	28	− 3	2·61	66	− 37	5·9	+0·6	48	1020
MEAN: DISTRICTS 1-10 ...	71	8	83·9	76·5	80·3	+ 1·1	275	+ 66	89	− 71	30	0	3·69	94	− 12	4·5	+0·3	37	1017

THE YEAR 1921.—Aggregates, &c., for the Period of 16 Weeks, January 2nd to April 23rd, 1921.

0. SCOTLAND, NORTH ...	62	16	81·3	75·2	78·2	+ 1·2	277	+ 99	324	−176	78	− 1	21·17	539	+105	2·3	−0·1	23	1010
Eastern.																			
1. SCOTLAND, EAST ...	69	8	81·5	74·6	78·0	+ 1·2	280	+ 67	414	−160	59	− 6	8·29	209	− 8	3·2	+0·3	31	1014
2. ENGLAND, N.E.	70	22	82·8	75·9	79·3	+ 1·8	437	+187	243	−210	51	− 9	4·23	109	− 46	3·1	−0·1	29	1016
3. ENGLAND, EAST ...	71	23	83·4	76·0	79·7	+ 2·0	522	+221	221	−255	44	−14	4·11	106	− 46	3·9	+0·6	36	1019
4. MIDLAND COUNTIES ...	69	23	83·1	76·0	79·5	+ 1·8	471	+149	240	−257	50	− 8	4·92	126	− 49	3·0	+0·1	28	1018
5. ENGLAND, S.E.	70	21	83·6	76·7	80·1	+ 1·7	537	+197	169	−201	51	− 6	4·98	127	− 57	3·7	+0·4	35	1019
Western.																			
6. SCOTLAND, WEST ...	63	19	81·9	76·2	79·0	+ 1·2	342	+ 92	227	−169	76	+ 5	16·79	426	+ 71	2·6	−0·2	25	1015
7. ENGLAND, N.W.	68	20	82·5	76·8	79·6	+ 1·6	418	+151	157	−214	60	− 2	9·29	235	− 4	3·0	0·0	28	1017
8. ENGLAND, S.W.	68	22	83·2	77·2	80·2	+ 1·4	503	+144	131	−163	58	− 5	7·81	198	− 83	3·4	+0·1	31	1020
9. IRELAND, NORTH ...	64	23	82·8	77·0	79·9	+ 1·4	462	+150	141	−187	73	− 2	9·91	251	− 28	2·6	−0·2	25	1014
10. IRELAND, SOUTH ...	65	23	83·6	77·5	80·5	+ 1·2	548	+132	115	−139	71	+ 2	10·09	257	− 47	2·8	−0·4	26	1018
11. ENGLISH CHANNEL ...	65	32	84·0	79·3	81·6	+ 1·2	647	+173	27	− 78	62	− 7	5·74	145	− 92	4·0	+0·1	37	1020
MEAN: DISTRICTS 1-10 ...	71	8	82·8	76·4	79·6	+ 1·5	452	+149	206	−196	59	− 5	8·04	204	− 30	3·1	+0·1	29	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
29th April, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series.) } No. 17.

SEVENTEENTH WEEK.

SUNDAY, APRIL 24TH, TO SATURDAY, APRIL 30TH, 1921.

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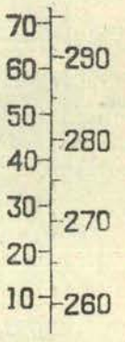
METEOROLOGICAL OFFICE LIBRARY 29 JUN 1921 65

I.—GENERAL SUMMARY. [First published in 1878.]

Under the influence of the Scandinavian anticyclone which spread in a south-westerly direction, the weather over the British Islands during the past week has been fine and dry. Thunder occurred in many places, but usually without rain. The winds were mainly easterly or north-easterly and light or moderate in force. Temperature was highest during the latter part of the week when several stations recorded maxima of 296 a; on Monday the maximum temperature in several parts of Scotland did not rise above 282 a. The lowest of the minima, 269 a occurred at Balmoral on Sunday; Ford (Argyll) and Kilkenny had a reading of 271 a on the same day. Ground frosts were experienced in many places, the lowest readings being recorded during the first three days of the week. The mean temperature was well above the normal in all districts. Rainfall was very light and at many stations the week was rainless; the largest amounts fell on the 24th when Little Massingham (Norfolk) had 9mm. and Cockle Park, Durham and Scarborough 8mm.; the divergence from the normal on the week's total ranged from — 18mm. (95 per cent.) in Ireland S. to — 5mm. (45 per cent.) in England N.E. Bright sunshine was in excess of the normal in all districts, more than 13 hrs. in a day being of common occurrence, the largest amounts were 14 hrs. at Bradford on the 29th and at Aberdeen, Dundee and Durham on the 30th. Solar halos were observed at Newquay on the 25th, Hodsock Priory (Worksop), Birmingham, Ross-on-Wye, South Farnborough on the 28th and at Oxford on the 28th and 29th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 27.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	21	2·9	3	1·8	0	0·0	0	0·0	2	1·7	11	3·8	10	2·5	20	4·3
North	3	1·4	14	2·0	25	4·8	24	2·8	18	3·1	15	2·9	7	1·5	4	0·8
West	5	3·4	1	3·8	1	0·9	5	1·3	5	1·6	5	1·5	3	2·6	0	0·0
East	22	3·7	16	2·1	20	4·0	16	2·9	18	4·4	20	5·5	14	2·5	24	2·8
Calm	1	—	11	—	1	—	4	—	2	—	1	—	9	—	4	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Very light	Light	Light	Light	Very light	Very light	Very light	Very light	Light	Very light	Nought
	Sunshine ...	Very abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 9 weeks from February 27th, 1921.	Warmth ...	6. 3. 0	6, 1. 2	7. 2. 0	7, 2. 0	7, 2. 0	7, 1. 1	6. 3. 0	7, 2, 0	6, 3. 0	7. 1, 1	6. 2. 1	7, 1, 1
	Rainfall ...	6, 2. 1	2, 4. 3	0, 2, 7	1, 3 5	1, 5 3	0, 5 4	2, 5 2	2, 4, 3	1, 5 3	1, 6, 2	1. 5 3	1, 4, 4
	Sunshine ...	3. 4. 2	4, 4 1	2, 7. 0	6, 3. 0	4, 4, 1	6, 3. 0	3. 2, 4	5, 2. 2	5, 3. 1	4. 2, 3	4, 2, 3	4. 4, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(33137—19) Wt. 67—610/P 142 500 5/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a. Islands .. t Lerwick ..	5[illegible]	62	29th	39	24th	54·7	41·6	47·8	+ 5·8	2	0·05	1	− 12
p Deerness, Orkney ..	165	59	30th	38	24th	53·0	42·0	47·2	+ 4·2	2	0·02	1	− 11
t Stornoway ..	31	67	28th	35	24th	60·7	41·1	50·4	+ 6·3	0	0·00	0	− 16
t Castlebay, Barra I. ..	37	62	28th	41	24th	55·4	47·3	51·2	—	0	0·00	0	—
b. Mainland. t Wick ..	81	53	30th	30	25th	50·4	38·9	41·4	+ 0·7	2	0·06	2	− 10
a Strathpeffer ..	125	69	30th	32	25th	63·6	35·7	49·0	+ 3·9	0	0·00	0	− 11
p Glencarron ..	500	69	29, 30	32	24th	63·1	38·4	50·2	+ 5·8	0	0·00	0	− 30
a Fort Augustus ..	68	70	28, 29	30	24, 25	62·4	38·6	49·9	+ 5·1	0	0·00	0	− 14
p Fort William ..	171	73	30th	31	24th	65·4	40·3	52·3	+ 6·3	0	0·00	0	− 24
1. SCOTLAND, E.													
t Nairn ..	82	70	27, 28	32	25th	61·6	34·6	47·5	+ 2·4	0	0·00	0	− 10
p Gordon Castle ..	101	68	28, 29	32	24, 25	61·6	37·3	48·9	+ 3·5	0	0·00	0	− 12
t Aberdeen ..	46	65	30th	35	24th	55·9	40·3	47·7	+ 2·9	1	0·02	0·4	− 13
a Balmoral ..	930	68	30th	25	24th	60·4	29·4	44·2	+ 2·1	1	0·02	1	− 13
p Crieff ..	432	72	30th	32	24th	58·7	38·3	48·0	+ 2·0	1	0·02	1	− 13
a Dundee ..	244	70	30th	32	24th	58·1	38·4	47·8	+ 2·3	0	0·00	0	− 11
t Leith ..	30	66	30th	31	24th	55·1	40·0	47·2	+ 0·7	2	0·22	6	− 3
p Edinburgh ..	441	62	30th	36	24th	54·1	39·9	46·7	+ 1·7	3	0·10	3	− 6
a West Linton ..	769	66	30th	26	24th	59·5	34·2	46·2	+ 3·6	2	0·09	2	—
p Marchmont ..	498	—	—	37	24th	—	40·0	—	—	1	0·08	2	− 12
6. a. SCOTLAND, W.													
a Ford (Argyll) ..	149	69	30th	29	24th	61·5	40·6	50·6	—	2	0·05	1	—
p Glasgow Observatory	180	71	30th	36	24th	59·4	41·6	50·1	+ 3·8	1	0·03	1	− 14
t Renfrew ..	49	71	30th	31	24, 25	61·0	38·6	49·3	—	1	0·01	0·2	—
p Rothesay ..	200	69	30th	36	24th	58·7	41·0	49·4	+ 2·8	3	0·12	3	− 16
a Kilmarnock ..	90	73	30th	30	24, 25	64·4	38·4	50·8	+ 5·1	1	0·03	1	− 14
a Colmonell ..	170	72	28th	31	25th	62·4	42·0	51·7	+ 5·8	0	0·00	0	− 16
p Dumfries ..	160	70	30th	35	24th	61·7	39·7	50·2	+ 3·5	3	0·13	3	− 12
t Eskdalemuir ..	794	68	29, 30	31	25th	60·9	37·3	48·5	—	3	0·13	3	—
b. I. OF MAN h Douglas ..	284	69	30th	39	24, 25	59·0	43·9	51·1	+ 4·7	1	0·10	3	− 12
2. ENGLAND, N.E.													
a. North .. a Alnwick Castle ..	210	63	30th	33	29th	51·8	39·9	47·0	+ 1·8	1	0·26	7	− 6
t Tynemouth ..	118	57	29th	39	24th	51·6	43·9	47·6	+ 2·3	3	0·11	3	− 8
p Durham ..	336	67	30th	35	24th	57·1	40·3	48·3	+ 2·9	3	0·46	12	+ 1
p Rounton ..	249	66	28th	34	26th	59·0	38·6	48·3	+ 3·1	2	0·31	8	− 4
a West Witton ..	605	66	30th	37	24th	58·7	41·3	49·6	—	4	0·28	7	—
h Scarborough ..	118	62	29th	43	25th	57·0	45·1	50·8	+ 4·5	2	0·33	8	− 3
p York ..	56	65	27, 30	37	24th	59·7	42·4	50·6	+ 3·0	2	0·15	4	− 7
b. South .. t Spurn Head ..	26	55	28th	39	24th	51·1	43·9	47·3	+ 0·8	2	0·17	4	− 4
a Lincoln ..	58	68	30th	38	24th	59·3	42·9	50·7	+ 2·6	2	0·09	2	− 8
a Fulbeck ..	180	69	30th	37	24th	59·0	40·4	49·3	+ 1·5	4	0·13	3	− 8
3. ENGLAND, E.													
p Cromer ..	196	56	29th	40	26th	53·6	42·6	47·8	+ 1·0	2	0·07	2	− 8
a Little Massingham ..	277	65	28th	36	26th	57·0	40·1	48·1	+ 0·8	4	0·45	12	− 1
t Yarmouth ..	13	61	30th	39	26th	55·0	44·6	49·6	+ 3·1	3	0·24	6	− 5
a Norwich ..	93	64	28-30	39	26th	59·9	44·0	51·6	+ 3·9	2	0·16	4	− 9
a Geldeston ..	37	65	30th	37	26th	59·1	42·3	50·3	+ 3·1	2	0·10	3	− 8
p Cambridge ..	41	73	28th	38	26th	61·9	42·1	51·5	+ 3·3	1	0·25	6	− 5
t Clacton-on-Sea ..	54	67	30th	40	26th	58·6	45·6	51·8	+ 4·6	2	0·07	2	− 7
a Rothamsted ..	420	70	28th	36	26th	60·1	40·7	49·9	+ 2·6	1	0·06	1	− 12
p Tottenham ..	51	73	28th	40	26th	63·3	44·4	53·4	—	1	0·06	2	—
4. MIDLAND COUNTIES.													
a. North .. h Harrogate ..	479	?68	30th	37	24th	58·6	40·9	49·3	+ 3·8	3	0·27	7	− 6
p Sheffield ..	429	68	30th	40	24, 26	58·9	42·9	50·5	—	3	0·04	1	—
h Buxton ..	987	66	30th	36	24, 27, 29	56·9	37·7	46·8	+ 2·4	1	0·03	1	− 19
b. East .. a Worksop ..	56	72	30th	37	29th	62·0	40·4	50·7	+ 3·4	3	0·11	3	− 8
t Nottingham ..	82	69	30th	41	24, 26	60·9	43·3	51·7	+ 4·2	2	0·12	3	− 8
p Birmingham, Edgbsn.	525	68	28th	37	24th	60·4	41·0	50·2	+ 2·8	1	0·05	1	− 12
a Raunds ..	203	70	28th	35	26th	61·3	39·9	50·1	+ 2·2	1	0·11	3	− 9
p Oxford ..	208	71	28th	39	24, 26	62·9	41·1	51·5	+ 3·0	1	0·02	1	− 11
c. West .. a Cheadle (N. Staffs.) ..	646	67	28, 30	33	24th	60·0	40·0	49·5	+ 3·3	1	0·09	2	− 12
p Tenbury ..	313	70	28, 30	30	26th	61·1	36·3	48·1	+ 0·8	0	0·00	0	− 10
a Hereford ..	291	70	28th	32	26th	60·9	37·7	48·7	+ 0·7	0	0·00	0	− 13
a Clifton ..	225	70	28th	38	26th	63·0	41·7	51·8	+ 2·3	0	0·00	0	− 14
5. ENGLAND, S.E.													
a Marlborough ..	424	71	28th	32	28th	60·6	38·6	48·0	+ 1·1	2	0·02	1	− 15
a Porton ..	340	70	28th	31	26th	63·3	39·3	50·7	—	1	0·07	2	—
a Wisley, Surrey ..	150	72	28th	32	26th	62·3	39·7	50·5	+ 2·2	1	0·01	0·3	− 12
h Tunbridge Wells ..	354	71	28th	34	26th	61·9	41·3	51·1	+ 3·0	1	0·03	1	− 15
h Margate ..	51	58	28th	42	24th	53·1	46·3	49·5	+ 1·0	1	0·02	0·4	− 12
t Dungeness ..	21	63	30th	37	26th	57·7	44·6	50·8	+ 3·1	2	0·18	5	− 6
h St. Leonards ..	178	70	28th	36	26th	61·7	44·7	52·8	+ 4·3	2	0·14	4	− 9
p Southampton ..	64	72	28th	37	24th	63·4	42·3	52·4	+ 2·4	2	0·10	3	− 13
a Ventnor ..	59	70	30th	39	24th	61·1	44·9	52·6	+ 3·1	2	0·10	3	− 11
LONDON a Richmond (Kew Obs.)	18	70	28th	37	26th	61·8	43·2	52·1	+ 3·2	2	0·03	1	− 12
a Westminster ..	27	72	28th	42	25, 26	63·3	45·6	54·0	+ 4·3	1	0·07	2	− 10
ag Greenwich ..	149	72	28th	37	26th	64·4	42·7	53·0	+ 4·3	2	0·11	3	− 5
a Hampstead ..	450	69	28th	39	24th	60·4	42·7	51·1	—	1	0·11	3	—
ag Camden Square ..	110	75	28th	41	26th	66·0	43·9	54·4	+ 4·1	1	0·09	2	− 12
7. a. ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	69	30th	31	24th	60·9	39·1	49·5	+ 3·4	1	0·03	1	− 15
p Newton Rigg ..	55[illegible]	—	—	—	—	—	—	—	—	—	—	—	—
p Stonyhurst ..	375	67	30th	36	24th	59·0	43·3	50·8	+ 4·5	4	0·16	4	− 15
h Blackpool ..	66	71	30th	36	24th	60·6	41·3	50·5	+ 3·7	2	0·17	4	− 9
h Southport ..	37	71	28th	37	24th	60·6	41·0	50·3	+ 3·1	2	0·18	5	− 8
t Liverpool (Bidston) ..	188	69	28th	41	26th	59·0	43·1	50·7	+ 2·9	2	0·08	2	− 10
a Hawarden Bridge ..	22	71	28th	35	26th	60·1	39·4	49·3	+ 0·9	1	0·03	1	− 9
p Manchester (Whit. Pk.)	125	69	30th	35	24th	62·6	43·4	52·5	+ 4·1	1	0·01	0·2	− 14
b. NORTH WALES.													
h Llandudno ..	22	66	28, 29	38	25th	58·9	41·9	50·0	+ 1·9	1	0·06	1	− 11
t Holyhead ..	15	64	28th	42	26th	58·0	44·3	50·8	+ 3·4	0	0·00	0	− 14
a Aberdovey ..	60	70	28th	39	25th	62·9	45·4	53·7	—	0	0·00	0	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	10·5	+ 5·6	69	—	—	—	—	—	—
Stornoway ..	10·1	+ 4·9	67	—	—	—	—	—	—
Castlebay ..	7·7	—	51	—	—	—	—	—	—
Nairn ..	10·1	—	67	—	—	—	—	—	—
Gordon Castle ..	11·1	—	73	—	—	—	—	—	—
Aberdeen ..	10·0	+ 4·5	67	3	26	—	—	44·6	+1·2
Balmoral ..	—	—	—	7	20	—	—	—	—
Crathes ..	8·6	+ 3·4	57	1	28	45·2	0·0	43·0	−0·4
Dundee ..	8·7	—	58	4	22	47·0	—	—	—
Leith ..	—	—	—	0	33	—	—	—	—
Edinburgh ..	8·0	+ 3·1	54	1	29	—	—	—	—
West Linton ..	—	—	—	5	21	—	—	—	—
Marchmont .	7·9	+ 2·8	53	—	—	—	—	—	—
Ford (Argyll) ..	—	—	—	3	26	47·8	—	45·0	
Glasgow ..	6·5	+ 2·1	44	3	26	—	—	—	—
Renfrew ..	6·8	—	45	3	20	—	—	—	—
Rothesay ..	7·5	—	50	1	28	47·9	—	45·7	+0·2
Kilmarnock ..	7·7	—	52	—	—	47·5	—	45·4	—
Colmonell ..	—	—	—	3	25	—	—	—	—
Dumfries ..	7·7	—	52	2	27	47·8	+0·1	45·5	−0·6
Eskdalemuir ..	7·1	—	47	3	24	—	—	—	—
Douglas ..	9·2	+ 3·0	63	0	34	—	—	—	—
Cockle Park ..	8·6	+ 3·7	58	2	28	47·0	+1·9	45·4	+1·1
Durham ..	7·8	+ 3·1	53	3	26	—	—	—	—
Rounton ..	—	—	—	4	27	48·0	—	—	—
West Witton .	—	—	—	1	24	46·9	—	43·8	—
Scarborough† ..	6·7	+ 1·4	46	—	—	—	—	48·4	—
York ..	6·6	+ 1·9	45	—	—	48·3	+1·3	46·4	+1·1
Spurn Head ..	—	—	—	—	—	—	—	—	—
Lincoln ..	—	—	—	0	35	48·6	+0·9	47·1	+1·7
Fulbeck ..	5·4	− 0·3	37	0	32	—	—	—	—
Skegness ..	—	—	—	—	—	—	—	—	—
Cromer ..	6·5	+ 0·6	44	—	—	—	—	—	—
Lit. Massingham	6·0	+ 0·4	41	—	—	—	—	—	—
Yarmouth ..	7·5	—	52	0	37	50·0	−0·6	48·7	−0·1
Norwich ..	7·0	—	48	0	35	50·8	—	—	—
Geldeston ..	7·0	+ 1·0	48	—	—	—	—	—	—
Cambridge ..	6·2	+ 0·5	43	0	32	50·9	+1·6	48·7	+1·0
Clacton ..	9·2	+ 2·7	63	0	37	50·5	+1·6	49·1	+0·8
Rothamsted ..	6·0	+ 0·5	42	1	28	47·7	—	—	—
Tottenham ..	6·9	—	48	0	41	—	—	48·9	+1·0
S'thend-on-Sea	8·3	—	57	0	37	51·1	+2·0	—	—
Harrogate ..	5·8	+ 0·4	40	1	30	47·0	+1·9	46·1	+1·4
Sheffield ..	5·8	+ 0·8	40	0	34	47·1	+1·0	45·5	+1·5
Buxton ..	6·6	—	45	0	31	46·4	−0·1	44·5	+0·7
Worksop ..	5·6	+ 0·8	38	2	30	50·1	—	47·8	—
Nottingham ..	5·9	+ 0·6	41	0	35	48·9	+1·3	46·2	+1·3
Birmingham ..	6·2	+ 1·9	43	1	22	46·1	+0·7	45·9	+0·9
Raunds ..	6·3	—	43	0	34	48·5	—	—	—
Oxford ..	7·3	+ 1·7	50	0	34	—	—	—	—
Malvern ..	8·2	—	57	1	30	48·5	—	48·0	—
Cheadle ..	—	—	—	1	29	—	—	—	—
Tenbury ..	—	—	—	3	28	48·8	—	—	—
Ross-on-Wye ..	9·1	—	63	4	26	51·4	—	49·1	—
Clifton ..	9·8	—	68	0	35	—	—	—	—
Worthing ..	7·5	+ 1·0	52	0	32	51·0	+0·4	49·4	+1·1
Marlborough ..	?8·5	+ 3·3	59	6	26	50·5	—	48·7	—
Porton ..	—	—	—	3	26	50·6	—	—	—
Wisley ..	5·3	− 0·4	37	4	23	49·0	+0·4	47·8	+0·7
Tunbridge Wells	7·2	+ 1·2	50	1	28	50·3	+2·0	48·8	—
Margate ..	8·1	+ 2·1	56	0	38	51·3	+2·9	49·5	+2·3
Folkestone ..	8·0	—	55	—	—	—	—	48·3	—
St. Leonards ..	9·0	+ 2·4	62	0	33	50·8	—	48·8	—
Southampton ..	7·3	+ 1·1	51	2	26	—	—	—	—
Ventnor ..	8·5	+ 2·1	59	—	—	—	—	—	—
Richmond ..	5·7	+ 0·1	39	1	29	49·1	+0·3	48·2	+1·0
Westminster ..	6·0	+ 1·2	41	0	35	—	—	—	—
Greenwich ..	6·3	+ 1·1	44	1	29	—	—	—	—
Hampstead ..	6·4	—	44	0	32	—	—	—	—
Camden Square	—	—	—	0	36	—	—	—	—
Aspatria ..	8·2	+ 3·0	55	1	27	47·4	−1·1	45·4	−0·4
Newton Rigg ..	—	—	—	—	—	—	—	—	—
Stonyhurst ..	7·4	+ 2·4	51	1	29	—	—	—	—
Blackpool ..	7·9	+ 1·9	53	1	30	49·0	—	47·1	—
Southport ..	7·2	+ 1·4	49	2	27	49·8	+0·4	48·5	+1·0
Hoylake ..	8·6	+ 3·2	59	—	—	—	—	—	—
Liverpool ..	7·8	—	53	0	34	—	—	—	—
Manchester (City)	6·9	+ 2·5	47	0	34	48·2	+1·7	47·2	+1·2
Whitworth Park	6·9	+ 2·8	47	—	—	—	—	—	—
Llandudno ..	9·3	+ 3·5	63	—	—	—	—	—	—
Holyhead ..	8·0	—	54	0	33	—	—	—	—
Aberdovey ..	8·0	+ 2·4	55	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min	Daily Mean.	Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°		in.	mm.			hr.	hr.	%		°F.	°F.	°F.	°F.	°
8. a. SOUTH WALES.																							
h Aberystwyth	16	72	28th	35	24th	62·4	43·4	52·4	–	0	0·00	0	–		Aberystwyth ..	8·7	+ 3·0	60	—	—	—	—	—
a Rhayader	767	68	28th	30	25th	60·3	37·9	48·6	-	1	0·02	1	–		Rhayader ..	8·7	–	60	5	22	—	—	—
t St. Ann's Head ..	149	67	30th	41	24, 25	58·6	44·1	51·0	+ 3·6	1	?0·04	?1	–	15	St. Ann's Head ..	11·1	+ 4·8	77	—	—	—	—	—
p Cardiff	209	70	28th	31	26th	62·7	42·3	52·0	+ 3·9	0	0·00	0	–	21	Cardiff	9·4	—	65	4	25	51·2	+ 2·2	48·5	+ 1·5
b. ENGLAND, S.W.																							
h Bath	68	72	28th	35	26th	64·7	41·7	52·2	+ 3·6	2	0·05	1	–	15	Bath	8·0	+ 2·1	55	—	—	51·1	+ 2·0	49·5	+ 1·7
a Shaftesbury	722	69	28th	35	24th	60·7	40·7	50·2	+ 3·0	0	0·00	0	–	18	Shaftesbury ..	—	—	—	—	—	50·7	—	48·7	—
a Arlington	618	69	28th	33	25th	62·0	42·0	51·5	+ 4·5	1	0·37	9	–	16										
h Newquay	194	66	29th	37	28th	57·5	43·6	50·2	+ 1·4	1	0·02	0·4	–	15	Newquay ..	11·2	+ 4·9	78	—	—	51·5	—	49·7	—
a Cullompton	202	73	28th	32	25th	66·3	39·1	52·1	+ 3·4	0	0·00	0	–	19	Cullompton ..	10·9	+ 5·2	75	5	23	52·9	—	—	—
t Portland Bill	19	60	28, 30	42	24, 25	56·6	45·3	50·7	+ 2·4	1	0·12	3	–	10	Weymouth ..	9·5	—	66	—	—	—	—	—	—
p Plymouth	116	70	30th	39	25th	63·0	44·1	53·1	+ 3·5	1	0·25	6	–	12	Plymouth ..	11·3	+ 5·1	78	0	32	53·4	+ 2·4	50·0	—
a Falmouth	107	66	30th	39	26th	59·7	43·6	51·3	+ 2·3	1	0·01	0·2	–	20	Falmouth ..	11·2	+ 4·6	78	0	32	53·4	—	52·0	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—		Malin Head ..	—	—	—	—	—	—	—	—	—
a West .. *t* Blacksod Point ..	10	68	29th	?38	24th	58·9	43·4	50·8	+ 3·2	2	0·17	4	–	14	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—		Markree Castle ..	8·5	+ 3·5	58	5	25	50·1	+ 0·1	47·8	+ 0·7
p Markree Castle ..	122	69	30th	30	24th	63·0	38·7	50·3	+ 3·8	1	0·01	0·3	–	17										
b. East .. *p* Armagh	204	68	30th	33	24, 25	61·7	39·0	49·8	+ 3·1	1	0·01	0·3	–	14	Armagh	10·4	+ 5·4	70	3	25	49·5	+ 1·1	47·2	+ 0·5
t Donaghadee ..	35	59	28, 30	36	24th	55·7	42·9	49·0	+ 2·4	2	0·20	5	–	8										
10. IRELAND, S.																							
p Dublin, City	54	63	30th	37	24, 25	58·7	43·3	50·6	+ 1·7	0	0·00	0	–	14	Trinity Coll. ..	10·3	—	70	1	30	50·6	+ 1·5	48·5	+ 0·8
t Birr Castle	175	69	30th	30	24th	63·3	40·6	51·4	+ 4·1	0	0·00	0	–	16	Phœnix Park ..	10·6	+ 5·0	72	1	27	—	—	—	—
a Kilkenny	195	69	30th	29	24th	62·1	39·7	50·4	+ 2·6	1	0·02	1	–	15	Dublin City ..	—	—	—	0	31	—	—	—	—
a Waterford	137	70	30th	34	24th	62·0	42·4	51·7	+ 3·1	0	0·00	0	–	17	Birr Castle ..	9·6	+ 4·5	65	3	23	—	—	—	—
p Seskin, Carrick-on-Suir	542	69	30th	35	24th	61·4	41·4	50·9	—	0	0·00	0	–		Seskin	9·5	—	65	2	26	—	—	—	—
a Cahir	199	70	30th	31	24th	61·7	39·1	49·9	+ 2·0	1	0·03	1	–											
a Foynes	56	69	30th	38	24th	63·0	42·6	52·3	+ 3·6	2	0·06	1	–	16										
t Cahirciveen (Val. Obs.)	30	69	30th	38	24th	57·0	46·4	51·5	+ 2·5	4	0·05	1	–	24	Cahirciveen ..	5·5	0·0	38	0	32	—	—	—	—
a Killarney	174	74	30th	34	24th	62·1	43·7	52·5	+ 3·8	2	0·04	1	–	22	Ballinacurra ..	9·8	+ 4·1	68	—	—	—	—	—	—
t Roche's Point ..	32	62	29, 30	38	24th	56·3	45·3	50·5	+ 1·9	1	0·01	0·3	–	19										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	64	29th	43	26, 27	57·0	45·3	50·9	+ 1·5	0	0·00	0	–	14	Scilly	9·3	+ 3·0	65	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	66	28th	39	26th	61·0	45·3	52·8	+ 2·4	0	0·00	0	–	14	St. Heliers ..	9·7	+ 3·0	68	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	65	28, 30	42	25th	60·7	45·9	52·9	+ 2·5	0	0·00	0	–	15	Guernsey† ..	10·3	+ 3·5	72	1	25	52·8	+ 1·5	51·2	+ 1·5

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 30th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	51	109	8	0	280	10	23	15	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	80	88	0	20	3	30	14	9	30	14	20
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	6	130	32	0	70	7	24	15	—	—	—	—
Edinburgh	485	39	51	—	0	—	0	0	121	47	0	40	5	26	17	8	26	16	45
6. SCOTLAND, W.																			
Eskdalemuir	826	50	22	—	0	—	0	35	117	16	0	{40 / 110}	8	27	{6 / 16}	14	30	13	25
Paisley	188	81	15	—	0	—	0	11	116	41	0	80	6	28	15	13	28	13	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	10	79	79	0	330	6	25	6	11	25	6	15
South Shields	72	61	12	—	0	—	0	22	82	64	0	10	8	25	4	11	25	4	20
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	24, 29	5	99	59	5	0	360	11	24	16	16	24	14	20
Shoeburyness	103	90	‡	—	0	—	0	58	86	24	0	50	10	28	15	15	24	5	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	57	110	21	0	360	10	24	16	15	24	16	0
5. ENGLAND, S.E.																			
Brighton	261	54	8	—	0	-	0	64	86	18	0	—	9	28	23	14	29	11	25
Larkhill, S'y Plain ..	513	63	43	—	0	24	8	66	76	18	0	360	14	24	10	18	24	8	25
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	40	88	40	0	80	10	29	13	14	{24 / 29}	9 / 11	10 / 25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	16	66	13	73	310	10	24	16	—	—	—	—
Southport	80	62	48	—	0	—	0	56	101	11	0	300	10	24	16	16	29	10	55
Holyhead	60	40	‡	—	0	29	2	58	93	10	0	80	11	29	3	14	29	1	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	66	24	—	0	24, 27, 29	17	100	38	13	0	80	16	29	16	21	29	16	5
Plymouth	185	88	2	—	0	—	0	37	102	29	0	—	10	29	{14 / 15}	17	29	14	0
Lyme Regis	556	61	‡	—	0	—	0	36	53	79	0	—	9	29	7	15	24	11	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	10	95	59	4	130	7	26	11	—	—	—	—
Quilty	100	40	‡	—	0	27	3	67	76	22	0	—	11	27	13	16	27	12	40
Cahirciveen (Val. Obs.)	98	41		—	0	—	0	87	83	28	0	170	10	26	11	18	27	10	20
Weaver Pt.	180	30	‡	—	0	—	0	86	70	12	0	—	10	27	13	14	27	12	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	—	0	29	104	35	0	110	8	27	5	12	{29 / 30}	17 / 21	10 / 15

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTEENTH WEEK of 1921—April 24th to April 30th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	73	30	88·6	77·0	82·5	+ 2·6	61	+ 30	8	− 4	1	− 3	0·02	1	− 16	10·3	+5·7	68	1029
Eastern.																			
1. SCOTLAND, EAST ...	72	25	88·0	75·4	81·4	+ 1·3	60	+ 23	16	+ 2	1	− 3	0·03	1	− 11	8·9	+3·7	59	1029
2. ENGLAND, N.E.	69	33	86·6	78·5	82·4	+ 1·6	49	+ 10	0	− 8	2	− 2	0·22	6	− 5	7·0	+1·7	48	1026
3. ENGLAND, EAST ...	73	36	87·8	79·1	83·2	+ 1·6	59	+ 11	0	− 7	2	− 2	0·16	4	− 8	6·9	+1·1	48	1023
4. MIDLAND COUNTIES ...	72	30	89·2	77·6	83·1	+ 1·5	65	+ 15	5	− 4	1	− 3	0·08	2	− 11	7·0	+1·6	48	1024
5. ENGLAND, S.E.	72	32	88·9	78·7	83·6	+ 1·4	64	+ 14	0	− 4	2	− 2	0·07	2	− 12	7·4	+1·4	51	1023
Western.																			
6. SCOTLAND, WEST ...	73	29	89·1	78·0	83·3	+ 2·4	64	+ 23	3	− 5	2	− 2	0·07	2	− 16	7·9	+2·6	53	1028
7. ENGLAND, N.W.	71	31	88·5	78·6	83·3	+ 1·9	60	+ 18	0	− 5	2	− 2	0·07	2	− 12	8·2	+2·9	56	1025
8. ENGLAND, S.W.	73	30	89·3	78·6	83·7	+ 1·7	65	+ 17	0	− 3	1	− 3	0·09	2	− 17	10·1	+4·2	70	1024
9. IRELAND, NORTH ...	69	30	88·8	77·9	83·2	+ 2·0	63	+ 22	3	− 2	1	− 4	0·08	2	− 13	9·5	+4·5	64	1025
10. IRELAND, SOUTH ...	74	29	88·9	78·9	83·7	+ 1·6	64	+ 15	0	− 3	1	− 3	0·02	1	− 18	8·9	+3·4	61	1024
11. ENGLISH CHANNEL ...	66	39	88·3	80·5	84·2	+ 1·2	71	+ 14	0	0	0	− 4	0·00	0	− 14	9·7	+3·0	68	1023
MEAN: DISTRICTS 1-10 ...	74	25	88·5	78·1	83·1	+ 1·7	61	+ 17	3	− 4	2	− 3	0·09	2	− 12	8·2	+2·7	56	1025

THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, February 27th to April 30th, 1921.

0. SCOTLAND, NORTH ...	73	16	82·7	75·7	79·1	+ 1·2	235	+ 79	150	− 77	40	− 2	9·72	248	+ 48	4·3	+0·6	33	1012
Eastern.																			
1. SCOTLAND, EAST ...	72	8	83·2	75·0	78·9	+ 0·9	257	+ 63	192	− 62	31	− 6	3·73	95	− 20	4·8	+0·7	38	1014
2. ENGLAND, N.E.	70	24	84·4	76·5	80·3	+ 1·6	337	+118	92	− 96	29	− 5	1·89	49	− 40	4·8	+0·4	38	1017
3. ENGLAND, EAST ...	73	26	85·2	76·4	80·7	+ 1·6	388	+115	100	− 90	22	− 9	2·16	56	− 29	5·7	+1·1	45	1019
4. MIDLAND COUNTIES ...	72	25	85·1	76·3	80·5	+ 1·4	378	+ 91	103	−101	28	− 3	2·44	62	− 32	4·8	+0·7	38	1019
5. ENGLAND, S.E.	72	21	85·5	76·7	81·0	+ 1·2	399	+109	84	− 58	27	− 4	2·36	60	− 37	5·8	+1·1	46	1019
Western.																			
6. SCOTLAND, WEST ...	73	19	83·4	76·5	79·8	+ 1·0	275	+ 60	100	− 74	41	+ 4	8·07	205	+ 36	4·3	+0·1	34	1016
7. ENGLAND, N.W.	71	21	83·9	77·1	80·4	+ 1·3	303	+ 74	66	− 87	33	0	4·21	107	− 14	4·6	+0·3	37	1018
8. ENGLAND, S.W.	73	23	84·8	77·2	80·8	+ 1·0	353	+ 72	63	− 55	31	− 2	3·80	96	− 47	5·5	+0·9	44	1020
9. IRELAND, NORTH ...	69	23	84·0	77·0	80·4	+ 1·0	312	+ 67	69	− 71	39	− 2	4·67	118	− 23	4·5	+0·5	35	1015
10. IRELAND, SOUTH ...	74	23	84·8	77·6	81·1	+ 0·9	361	+ 56	49	− 56	36	0	4·41	113	− 38	4·6	+0·1	37	1019
11. ENGLISH CHANNEL ...	66	33	85·2	79·2	82·1	+ 0·9	421	+ 83	10	− 25	28	− 7	2·61	66	− 51	6·3	+0·9	50	1021
MEAN: DISTRICTS 1-10 ...	74	8	84·4	76·6	80·4	+ 1·2	336	+ 83	92	− 75	32	− 3	3·77	96	− 25	4·9	+0·6	39	1018

THE YEAR 1921.—Aggregates, &c., for the Period of 17 Weeks, January 2nd to April 30th, 1921.

0. SCOTLAND, NORTH ...	73	16	81·7	75·3	78·5	+ 1·3	338	+129	332	−180	79	− 4	21·19	540	+ 89	2·8	+0·2	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	72	8	81·9	74·6	78·2	+ 1·2	340	+ 90	430	−158	60	− 9	8·32	210	− 19	3·5	+0·4	33	1014
2. ENGLAND, N.E.	70	22	83·0	76·1	79·5	+ 1·8	486	+197	243	−218	53	−11	4·45	115	− 51	3·3	0·0	31	1017
3. ENGLAND, EAST ...	73	23	83·7	76·2	79·9	+ 2·0	581	+232	221	−262	46	−16	4·27	110	− 54	4·0	+0·6	37	1019
4. MIDLAND COUNTIES ...	72	23	83·5	76·1	79·7	+ 1·8	536	+164	245	−261	51	−11	5·00	128	− 60	3·2	+0·2	30	1019
5. ENGLAND, S.E.	72	21	83·9	76·8	80·3	+ 1·7	601	+211	169	−205	53	− 8	5·05	129	− 69	4·0	+0·5	36	1020
Western.																			
6. SCOTLAND, WEST ...	73	19	82·3	76·3	79·2	+ 1·2	406	+115	230	−174	78	+ 3	16·86	428	+ 55	3·0	0·0	27	1016
7. ENGLAND, N.W.	71	20	82·8	76·9	79·8	+ 1·6	478	+169	157	−219	62	− 4	9·36	237	− 16	3·3	+0·2	30	1018
8. ENGLAND, S.W.	73	22	83·6	77·3	80·4	+ 1·4	568	+161	131	−166	59	− 8	7·90	200	−100	3·8	+0·4	34	1020
9. IRELAND, NORTH ...	69	23	83·2	77·1	80·1	+ 1·4	525	+172	144	−189	74	− 6	9·99	253	− 41	3·0	0·0	28	1015
10. IRELAND, SOUTH ..	74	23	83·9	77·6	80·7	+ 1·2	612	+147	115	−142	72	− 1	10·11	258	− 65	3·2	−0·1	29	1019
11. ENGLISH CHANNEL ...	66	32	84·2	79·4	81·8	+ 1·3	718	+187	27	− 78	62	−11	5·74	145	−106	4·3	+0·3	39	1021
MEAN: DISTRICTS 1-10 ...	74	8	83·2	76·5	79·8	+ 1·5	513	+166	209	−199	61	− 7	8·13	207	− 42	3·4	+0·2	32	1018
	°F.	°F.	a.	a.	a.	a.	day-deg.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.		%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
6th May, 1921.

METEOROLOGICAL OFFICE 17 MAY 1921 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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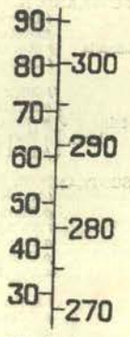
FORTY-FOURTH YEAR. Vol. XXXVIII (New Series) No. 18.

EIGHTEENTH WEEK.
SUNDAY, MAY 1ST, TO SATURDAY, MAY 7TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week anticyclonic conditions prevailed over the country generally, with fine warm weather. From Tuesday onwards heavy showers were experienced in most parts of the United Kingdom. Thunder was reported at several stations, while snow or hail fell in Scotland and also in many parts of northern and eastern England. The prevailing winds were northerly or north-easterly at first and southerly or south-westerly towards the close of the period. The highest of the maxima were those of Sunday, when readings of about 295 a were registered in several places; on Wednesday the day temperatures were very low, the maxima at a number of stations being below 280 a. The lowest of the screen minima were mostly recorded on the 5th, while on the grass readings as low as 265 a were registered on the same date. The mean temperature for the week was below the normal in all districts except England N.E., England S.W. and the English Channel. Rainfall was in excess of the normal in Scotland N. and E. and also in a few of the English districts, but elsewhere there was again a deficiency; the largest measurements were 18 mm. at Spurn Head on the 7th, 17 mm. at Harrogate and Eskdalemuir, on the 2nd and 6th respectively. Sunday was the sunniest day of the week, especially in Scotland and Ireland, where many stations recorded between 13 and 14 hours of sunshine; the mean amount for the week, however, was below the normal in many places. Solar halos were observed at Aberdeen on the 3rd, at Raunds (Northampton) on the 5th and 7th, at Ross-on-Wye on the 5th and 6th, at Greenwich on the 7th and at Oxford on each day of the week with the exception of the 1st and 4th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 27.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	3·0	10	3·9	12	6·1	12	4·0	12	6·1	14	4·7	15	4·8	12	4·8
North	20	5·7	7	2·6	14	4·5	12	3·4	13	3·4	14	4·8	7	4·3	11	4·6
West	13	3·3	12	3·5	13	3·7	7	1·2	13	2·7	14	3·2	15	4·1	13	2·6
East	12	3·3	9	2·0	10	3·0	4	1·5	9	2·7	9	2·1	7	2·6	9	2·0
Calm	1	—	5	—	1	—	4	—	2	—	0	—	3	—	5	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate'	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ..	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate
	Sunshine ..	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *10* weeks from February 27th, 1921.	Warmth ..	**6**, 3, **1**	**6**, 2, **2**	**7**, 3, **0**	**7**, 3, **0**	**7**, 3, **0**	**7**, 2, **1**	**7**, 3, **0**	**7**, 3, **0**	**6**, 4, **0**	**7**, 2, **1**	**6**, 3, **1**	**7**, 2, **1**
	Rainfall ..	**6**, 3 **1**	**3**, 4, **3**	**1**, 2, **7**	**1**, 4, **5**	**1**, 6, **3**	**1**, 5, **4**	**2**, 6, **2**	**2**, 5, **3**	**2**, 5, **3**	**1**, 7, **2**	**1**, 6, **3**	**1**, 5, **4**
	Sunshine ..	**3**, 4, **3**	**4**, 5, **1**	**2**, 8, **0**	**6**, 3, **1**	5, **1**	**6**, 3, **1**	**3**, 3, **4**	**5**, 3, **2**	**5**, 4, **1**	**4**, 3, **3**	**4**, 3, **3**	**4**, 5, **1**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	50	1st	31	3rd	44·1	34.4	39.0	—3·3	7	1.05	27	+13										
p Deerness, Orkney	165	55	7th	31	3rd	47·3	55·9	41·3	—2·0	7	0·72	18	+ 5	Deerness	3·0	—2·4	19						
a, Islands *t* Stornoway	51	62	1st	32	5th	49·0	38·9	43·7	—0·7	4	0.69	18	+ 1	Stornoway	4.2	—1.5	27	—	—	—	—	—	—
t Castlebay, Barra I.	37	55	1st	36	4th	48·3	42·0	45·0	—	4	1.01	26	—	Castlebay	5.5	—	35	—	—	—	—	—	—
t Wick	81	58	7th	29	5th	46·9	36·1	41·2	—2·8	7	0·77	20	+ 7										
a Strathpeffer	125	67	1st	29	5th	53·0	36·0	44·0	—1·7	5	0·76	19	+ 7										
b, Main- *p* Glencarron	500	63	1st	28	4th	50·6	33·7	41·6	—3·2	6	0·94	24	— 7										
land. *a* Fort Augustus	68	72	1st	29	5th	53·1	36·4	44·3	—1·0	3	0·27	7	— 8	Fort Augustus									
p Fort William	171	67	1st	29	5th	55·0	37·7	45·8	—0·8	5	0·72	18	— 7										
1. SCOTLAND, E.																							
t Nairn	82	66	1st	30	5th	52·4	36·1	43·8	—1·8	6	1·23	31	+21	Nairn	5.9	—	38	—	—	—	—	—	—
p Gordon Castle	101	63	7th	30	5th	51·9	35·7	43·3	—2·6	7	0·67	17	+ 5	Gordon Castle	6.1	—	39	—	—	—	—	—	—
t Aberdeen	46	63	1st	32	5th	51·6	38·3	44·6	—0·7	5	0·39	10	— 3	Aberdeen	5.1	—0.3	33	3	22	—	—	46.0	+1.9
a Balmoral	930	66	1st	26	5th	53·0	31·7	41·7	—1·1	6	0·46	12	— 2	Balmoral	—	—	—	5	18	—	—	—	—
p Crieff	432	72	1st	27	5th	54·0	35·6	44·3	—2·4	5	0·71	18	— 4	Crathes	5.2	+0.1	33	1	26	46·0	—0.3	44.3	0.0
a Dundee	244	68	1st	26	5th	55·3	36·0	45·1	—1·0	6	0·43	11	— 1	Dundee	5.8	—	38	5	17	49·1	—	—	—
t Leith	30	?68	1st	33	5th	54·4	39·6	46·6	—0·4	5	0·75	19	+ 9	Leith	—	—	—	0	32	—	—	—	—
p Edinburgh	441	70	1st	33	3, 5	52·1	38·3	44·8	—0·7	5	0·78	20	+10	Edinburgh	5.8	+0.9	38	3	26	—	—	—	—
a West Linton	769	60	1st	22	5th	51·9	31·9	41·3	—2·0	4	0·52	13	—	West Linton	—	—	—	5	20	—	—	—	—
p Marchmont	498	—	—	32	5th	—	37·3	—	—	4	0·65	17	+ 3	Marchmont	5.8	+0.8	38	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	64	1st	[27	3, 5	53·1	36·0	44·0	—	6	0·79	20	—	Ford (Argyll)	—	—	—	2	21	49·5	—	46.4	—
t Renfrew	49	69	1st	26	5th	53·4	37·1	44·8	—	3	0·71	18	—	Renfrew	4.6	—	30	4	15	—	—	—	—
p Rothesay	200	57	7th	34	5th	51·1	39·7	45·1	—2·1	5	0·73	19	— 2	Rothesay	5.8	—	37	2	26	50·0	—	47.7	+1.4
a Kilmarnock	90	68	1st	29	5th	56·7	37·4	46·5	+0·1	4	0·54	14	— 3	Kilmarnock	5.5	—	36	—	—	49·8	—	46.8	—
a Colmonell	170	62	1st	29	5th	53.7	38·9	45·9	—0·7	4	0·41	10	— 8	Colmonell	—	—	—	2	25	—	—	—	—
p Dumfries	160	70	1st	28	5th	55·0	37·1	45·5	—1·9	5	0·75	19	+ 2	Dumfries	6.4	—	42	4	19	49·2	+0.5	47.1	—0.1
t Eskdalemuir	794	68	1st	22	5th	52·4	31·7	41·4	—	4	0·99	25	—	Eskdalemuir	6.0	—	39	5	16	—	—	—	—
b, I. OF MAN *h* Douglas	284	66	1st	36	3rd	52·7	42·3	47·2	+0·2	5	1·09	28	+11	Douglas	5·4	—1·0	36	0	34	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	1st	33	4, 5	54·3	37·3	45·3	—0·5	4	0·59	15	+ 2	Cockle Park	6.4	+0·9	42	5	25	48·2	+2.0	47.0	+2.0
t Tynemouth	118	61	7th	33	5th	52·4	41·3	46·5	+0·8	3	0·42	11	0										
p Durham	336	67	1st	29	5th	56·3	37·6	46·4	+0·4	3	0·34	9	— 2	Durham	5.8	+0·6	38	4	16	—	—	—	—
a North *p* Rounton	249	61	1st	28	5th	55·6	38·1	46·3	+0·5	5	0·62	16	+ 4	Rounton	—	—	—	4	19	49·3	—	—	—
a West Witton	605	66	1st	28	5th	56·4	37·6	46·4	—	3	0·37	9	—	West Witton	—	—	—	2	22	48·3	—	45·0	—
h Scarborough	118	74	7th	37	5th	55·6	41·6	48·2	+1·4	4	0·62	16	+ 5	Scarborough †	4.7	—1·2	31	—	—	—	—	50·2	
p York	56	66	1st	30	5th	56·7	40·1	47·9	—0·4	4	0·66	17	+ 6	York	5.3	0·0	35	—	—	50·2	+2.2	47·9	+1.7
t Spurn Head	26	61	7th	37	4th	51·6	41·1	46·0	—1·1	4	0·95	24	+16	Spurn Head	—	—	—	—	—	—	—	—	—
b, South *a* Lincoln	58	66	1, 2	36	3–5	57·1	40·0	48·0	—0·9	4	0·86	22	+12	Lincoln	—	—	—	1	29	49·9	+1.1	48.3	+1.9
a Fulbeck	180	66	1st	29	5th	57·4	38·9	47·6	—0·8	6	0·69	18	+ 7	Fulbeck	5.0	—1.2	33	1	26	—	—	—	—
														Skegness	4.5	—2.0	30	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	66	7th	33	4th	53·1	38·7	45·5	—2·1	4	0·16	4	—5	Cromer	3.9	—2.5	26	—	—	—	—	—	—
a Lit Massingham	277	62	7th	33	5th	53·6	38·1	45·4	—2·7	5	0·57	15	+4	Lit Massingham	3.8	—2.5	25	—	—	—	—	—	—
t Yarmouth	13	63	7th	35	4–6	51·7	40·6	45·8	—1·5	3	0·26	7	—3	Yarmouth	3.9	—	26	0	31	50·9	—1 1	50.0	—0.1
a Norwich	93	65	7th	33	4, 5	55·9	40·7	47·8	—0·8	4	0·32	8	—3	Norwich	4.4	—	30	2	29	51·8	—	—	—
a Geldeston	37	66	7th	31	5th	55·7	38·9	46·8	—1·2	5	0·34	9	—1	Geldeston	3.9	—2.7	26	—	—	—	—	—	—
p Cambridge	41	67	2nd	33	5th	56·1	39·9	47·5	—1·6	4	0·24	6	—4	Cambridge	4.8	—1.6	32	1	28	52·4	+1.8	50.2	+1.6
t Clacton-on-Sea	54	61	2nd	34	5th	54·3	41·0	47·3	—0·8	4	0·20	5	—3	Clacton-on-Sea	5.0	—2.2	33	2	28	51·7	+1.6	50.7	+1.5
a Rothamsted	420	63	2nd	32	5th	55·0	38·7	46·4	—1·7	5	0·31	8	—3	Rothamsted	4.4	—1.7	30	4	25	49·0	—	—	—
p Tottenham	51	68	2nd	34	5th	59·4	42·0	50·2	—	6	0·43	11		Tottenham	4.7	—	31	0	34	—	—	50.8	+1.8
														Southend	4.7	—	31	0	32	53·0	+2.8		
4. MIDLAND COUNTIES.																							
h Harrogate	479	63	1, 7	30	5th	55·9	39·0	46·9	+0·7	5	1·11	28	+15	Harrogate	5.6	+0.1	37	3	24	48·1	+1.9	47.7	+2.2
a North *p* Sheffield	429	66	1st	33	5th	55·0	40·4	47·3	—	6	0·59	15	—	Sheffield	5.2	0.0	34	1	27	48·4	+1.1	46.8	+2.0
h Buxton	987	64	1st	28	5th	54·0	38·6	45·8	+0·7	6	0·48	12	+7	Buxton	5.3	—	35	2	29	48·6	+1.2	45.7	+1.1
t Worksop	56	69	1, 2	28	5th	59·6	38·6	48·5	+0·5	6	0·63	16	+4	Worksop	5.1	—0.1	34	3	21	51·9	—	49.3	—
a Nottingham	82	66	1st	34	5th	56·9	41·7	48·8	+0·4	6	0·70	18	+7	Nottingham	4.6	—1.0	31	1	28	49·6	+0.7	47.7	+1.7
b, East *p* Birmingham, Edgbsn.	525	64	1st	34	5th	56·0	41·3	48·2	—0·1	6	0·60	15	+2	Birmingham,	4.5	—0.2	30	3	19	47·9	+1.5	46.6	+1.1
a Raunds	203	66	2nd	31	5th	56·9	38·4	47·1	—1·7	5	0·35	9	—4	Raunds	4.8	—	32	1	27	50·4	—	—	—
p Oxford	208	68	2nd	32	5th	58·0	41·7	49·4	0·0	6	0·33	8	—3	Oxford	5.0	—1.0	33	1	25	—	—	—	—
														Malvern	5.1	—	34	1	29	52·1	—	49.6	—
a Cheadle (N. Staffs.)	646	67	1st	32	5th	56·3	38·9	47·1	+0·1	5	0·22	6	—7	Cheadle	—	—	—	1	30	—	—	—	—
c, West *p* Tenbury	313	66	1, 2	29	5th	58·6	39·1	48·3	+0·3	5	0·22	6	—4	Tenbury	—	—	—	1	25	51.6	—	—	—
a Hereford	291	69	2nd	31	5th	58·9	39·0	48·4	—0·5	5	0·44	11	—1	Ross on Wye	5.0	—	34	3	24	53.5	—	50.5	—
a Clifton	225	64	1st	34	5th	56·7	41·4	48·6	—1·9	5	0·67	17	+4	Clifton	5.6	—	38	0	35	—	—	—	—
														Worthing	6.2	—1.0	42	0	33	53.3	+1.3	50.6	+1.3
5. ENGLAND, S.E.																							
a Marlborough	424	68	2nd	28	5th	57·0	37·6	46·7	—1·2	4	0·59	15	+4	Marlborough	4.6	—1.0	31	3	21	52.0	—	49.7	—
a Porton	340	67	2nd	32	2, 5	57·7	37·8	47·2	—	5	0·47	12	—	Porton	—	—	—	3	26	52.7	—	—	—
a Wisley, Surrey	150	69	2nd	33	5th	58·0	39·6	48·3	—1·0	6	0·53	14	+5	Wisley, Surrey	4.5	—1.7	30	4	20	51.0	+0.8	48.9	+0.8
h Tunbridge Wells	354	69	2nd	34	5th	56·6	39·9	47·8	—1·3	5	0·89	23	+12	Tunbridge Wells	4.4	—2.2	30	2	27	52.7	+3.0	50.3	—
h Margate	51	67	2nd	39	4th	55·1	44·4	49·4	0·0	5	0·39	10	+1	Margate	4.4	—2.0	30	0	31	52.8	+3.0	51.4	+3.4
t Dungeness	21	59	1st	36	5th	54·9	44 6	49 4	+0·6	5	1·05	27	+20	Folkestone	5.0	—	34	—	—	—	—	48.9	—
h St. Leonards	178	62	1st	38	5th	55·0	43·3	48 8	—0·6	5	0·57	15	+6	St. Leonards	5.2	—2·1	35	0	35	53.6	—	49.9	—
p Southampton	64	70	2nd	32	5th	59·1	41·7	49 9	—1·2	5	0·59	15	+4	Southampton	6.8	+0·1	46	2	25	—	—	—	—
a Ventnor	59	66	2nd	37	5th	57·3	44·3	50·4	0·0	5	0·72	18	+8	Ventnor	5.9	—1·1	40	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	67	2nd	36	5th	57·4	41·5	49·0	—1·0	5	0·33	8	—1	Richmond	4.2	—2·0	28	4	26	51.1	+0.9	49.3	+1.1
a Westminster	27	70	2nd	36	5th	58·9	42·7	50·3	—0·5	6	0·35	9	0	Westminster	4.1	—1·2	27	1	30	—	—	—	—
ag Greenwich	149	70	2nd	34	5th	59·3	39·7	48·9	—1·6	5	0·52	13	+4	Greenwich	3.9	—2·2	26	4	25	—	—	—	—
a Hampstead	450	68	2nd	33	5th	55·7	40·9	47·9	—	5	0·40	10	—	Hampstead	4.2	—	28	3	29	—	—	—	—
ag Camden Square	110	72	2nd	34	5th	60·6	41·9	50·7	—0·8	5	0·42	11	+1	Camden Square	—	—	—	1	30	51.3	—	48.5	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	67	1st	27	5th	52·0	35·9	43·5	—3·2	5	0·57	14	—3	Aspatria	6.1	+0.6	40	3	26	48.6	—0.7	46.9	+0.3
p Newton Rigg	559	—	—	—	—	—	—	—		2	0·29	7	—10	Newton Rigg	5.7	+0.1	37	—	—	—	—	—	—
p Stonyhurst	375	67	1st	30	5th	55·6	39·4	47.0	—0·1	4	0·95	24	+4	Stonyhurst	5.4	—0.1	35	2	26	—	—	—	—
h Blackpool	66	61	1st	31	5th	54·6	40·4	47.1	—0 4	5	0·55	14	—1	Blackpool	5.7	—0.8	37	2	26	49.9	—	47.9	—
h Southport	37	60	6, 7	31	5th	54·3	40·4	46.9	—1·0	5	0·25	6	—9	Southport	6.3	0.0	42	2	22	51.2	+0.5	50.1	+1.4
														Hoylake	6.4	+0.6	43	—	—	—	—	—	—
t Liverpool (Bidston)	188	60	7th	35	3, 4	53·3	41·1	46·8	—1·7	5	0·23	6	—7	Liverpool	6.1	—	40	1	30	—	—	—	—
a Hawarden Bridge	22	61	1st	35	3, 5	55·9	41·1	48·1	—1·0	3	0·24	6	—6	Manchester City	4.6	—0.1	30	0	31	50·7	+3·0	48.7	+1.7
p Manchester (Whit. Pk.)	125	68	1st	30	5th	57·6	41·3	49·0	—0 2	6	0·50	13	—2	„ Whit. Pk.	4.7	+0.2	31	—	—	—	—	—	—
b. NORTH WALES.																						—	—
h Llandudno	22	60	6th	36	1, 5	54·0	41·1	47·2	—1·5	3	0·27	7	—6	Llandudno	6.2	—0.1	41	—	—	—	—	—	—
t Holyhead	15	58	1st	38	4th	53·7	43·1	48·1	+0·2	6	0·78	20	+6	Holyhead	? 6.6	—	44	1	30	—	—	—	—
a Aberdovey	60	66	1st	38	4th	56·4	43·4	49·5	—	5	0·56	14	—	Aberdovey	7.5	+1·5	50	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a " ′ in ' this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by " *h* " have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperatnre at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	62	1st	38	4th	54·0	43·6	48·5	—	4	0·76	19	—	Aberystwyth	Hr. 7·8	Hr. +2·0	% 52	—	—	—	—	—	—
a Rhayader	757	63	1st	34	5th	55·1	38·1	46·1	—	6	0·43	11	—	Rhayader ..	5·9	—	39	4	23	—	—	—	—
t St. Ann's Head.. ..	149	61	1st	40	5th	54·0	44·3	48·9	+1·1	6	0·74	19	+6	St. Ann's Head	7·0	+0·7	47	—	—	—	—	—	—
p Cardiff	202	64	2nd	34	5th	57·0	42·1	49·1	+0·3	5	0·83	21	+4	Cardiff ..	5·8	—	39	4	24	53·1	+2·7	49·8	+1·8
b, ENGLAND, S.W.																							
h Bath	66	67	2nd	31	5th	58·9	41·9	49·9	+0·5	4	0·61	15	+2	Bath	5·4	—0·7	36	—	—	53·4	+2·9	51·1	+2·5
a Shaftesbury	722	66	2nd	36	5th	56·0	40·3	47·7	—0·2	5	0·64	16	+1	Shaftesbury ..	—	—	—	—	—	52·6	—	50·0	—
a Arlington	613	63	1st	32	5th	56·0	40·7	47·9	+0·3	6	0·94	24	+4										
h Newquay	190	61	6th	37	4th	55·9	43·3	49·2	0·0	6	0·73	19	+7	Newquay ..	7·7	+1·3	52	—	—	53·2	—	50·6	—
a Cullompton	202	69	2nd	31	5th	61·0	42·3	51·1	+1·7	5	0·85	22	+7	Cullompton ..	5·7	—0·1	39	4	22	55·6	—	—	—
t Portland Bill	19	58	1, 2	40	5th	53·6	43·7	48·4	—0·5	5	0·79	20	+9	Weymouth ..	6·2	—	42	—	—	—	—	—	—
p Plymouth	116	66	2nd	37	5th	57·9	44·7	50·9	+0·8	5	0·90	23	+9	Plymouth ..	6·9	+0·6	47	0	31	54·9	+2·7	51·6	—
a Falmouth	167	65	1, 2	39	4, 5	59·3	45·3	51·9	+2·5	5	0·81	21	+5	Falmouth ..	7·6	+1·0	52	0	32	56·3	—	53·8	—
9. IRELAND, N.																							
t Malin Head	208	57	7th	35	4th	51·6	41·9	46·5	—0·4	6	0·59	15	+1	Malin Head ..	? 6·7	—	44	—	—	—	—	—	—
t Blacksod Point ..	10	59	1st	37	4th	53·3	43·1	47·9	—0·4	5	0·52	13	—8	Mallarany ..	5·7	—	37	2	25	—	—	—	—
a, West .. *a* Mallarany	120	68	1st	34	5th	57·7	42·7	49·8	—	4	1·32	34	—										
p Markree Castle.. ..	122	64	1st	25	5th	56·3	38·3	46·8	—0·6	4	0·84	21	+1	Markree Castle	6·1	+1·0	40	2	17	51·9	+1·0	49·0	+1·1
p Armagh..	204	69	1st	29	5th	56·1	38·7	46·9	—0·8	5	0·35	9	—8	Armagh ..	4·5	—0·5	30	2	23	51·3	+1·6	48·7	+1·1
b, East .. *t* Donaghadee	35	60	1st	35	5th	54·0	41·7	47·5	+0·1	6	0·51	13	—3										
10. IRELAND, S.																							
p Dublin, City	54	62	1st	35	5th	55·9	43·3	49·2	—0·4	6	0·39	10	—4	Trinity Coll.	3·7	—	24	0	31	52·3	+2·2	50·2	+1·7
t Birr Castle	175	69	1st	28	5th	56·0	38·4	46·7	—1·4	6	0·54	14	—1	Phœnix Park	5·1	—1·6	34	1	30	—	—	—	—
a Kilkenny	195	70	1st	30	5th	58·3	40·4	48·8	+0·2	4	0·91	23	+8	Dublin City ..	—	—	—	1	30	—	—	—	—
a Waterford	137	70	1st	34	5th	56·1	41·3	48·4	—1·1	4	0·36	9	—7	Birr Castle ..	4·2	—1·8	28	2	19	—	—	—	—
p Seskin, Carrick-on-Suir	542	70	1st	33	5th	56·4	41·3	48·4	—	5	0·46	12	—	Seskin ..	5·4	—	36	2	20	—	—	—	—
a Cahir	199	72	1st	35	5th	58·7	39·0	48·3	—0·3	5	0·91	23	—										
a Foynes	50	69	1st	34	5th	58·6	40·7	49·1	—0·3	4	0·25	6	—10										
t Cahirciveen (Val. Obs.)	30	64	1st	36	5th	54·9	42·0	48·1	—1·5	5	0·76	19	—4	Cahirciveen ..	7·5	+0·9	50	0	33	—	—	—	—
a Killarney	174	74	1st	33	5th	60·1	41·1	50·0	+0·7	4	0·55	14	—7	Ballinacurra	6·6	—0·1	45	—	—	—	—	—	—
t Roche's Point	32	71	1st	37	5th	57·9	45·0	51·1	+1·9	4	0·56	14	—3										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	59	2nd	45	4th	56·6	47·7	51·9	+1·9	2	0·28	7	—5	Scilly ..	8·1	+1·3	55	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	62	2nd	38	4th	57·1	46·1	51·3	0·0	4	0·36	9	—4	St. Heliers ..	? 6·9	—0·4	47	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	66	2nd	40	4th	57·9	46·9	52·1	+0·8	5	1·04	27	+15	Guernsey† ..	6·0	—1·4	41	0	33	53·8	+1·2	52·6	+2·1

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, May 7th, 1921.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	2 to 4	13	83	57	15	0	10	13	2	6	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	4	86	78	0	360	6	2	11	14	2	11	35
Aberdeen (Cup Anr.)† ..	120	72	12	—	0	—	0	25	121	22	0	10	8	2	10	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	31	105	32	0	280 / 180	8	3 / 7	15 / 20	12	7	12	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	46	72	50	0	200	10	7	12 / 13	16	2	15	40
Paisley	188	81	15	—	0	—	0	25	99	44	0	220	8	7	9	15	7	9	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	7	78	83	0	360	8	2	16	15	2	14	30
South Shields	72	61	12	—	0	—	0	28	96	44	0	30	10	2	17	15	2	14	45
Spurn Head	66	40	‡	—	Instrument dismounted.														
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	0	3,6,7	18	84	50	6	10	40	14	3	2	18	3	1	0
Shoeburyness	103	90	‡‡	—	0	—	0	50	85	33	0	210	9	6	17	13	3	4	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	49	95	24	0	200	10	6	12	15	6	11	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	41	111	16	0	—	9	1	9	15	1	8	45
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	84	78	2	4	180	11	6	12	15	6	11	50
Richmond (Kew Obs.) ..		65	22	—	0	—	0	14	110	44	0	160 / 200	7	7	15	14	2	18	0
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	1,2	4	48	83	10	23	300	13	2	15	—	—	—	—
Southport	80	62	48	—	0	—	0	60	102	6	0	290	10	2	16	16	2	16	15
Holyhead	60	40	‡	—	0	2,6	3	81	75	9	0	170	12	6	1	20	6	0	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	3,5 to 7	38	74	27	8	21	210	15	6	17	19	6	16	30
Plymouth	185	88	2	—	0	6,7	10	59	77	22	0	—	14	7	4	17	7	4	20
Lyme Regis	556	61	‡	—	0	—	0	16	133	19	0	—	7	2	18	11	2	13	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	2,5,7	4	70	77	17	0	160	12	5	21	—	—	—	—
Quilty	100	40	‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	4 to 6	8	83	56	21	0	160	12	5	16	19	6	16	35
Weaver Pt.	160	30	‡‡	—	0	4 to 6	13	104	50	1	0	—	13	4	12	20	6	18	50
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	4	1	43	83	38	3	340?	11	4	13	15	4	13	30

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

† Tube Anemograph out of action since 6th Feb., 1920.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTEENTH WEEK of 1921—May 1st to May 7th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	72	28	83·1	75·3	79·0	− 1·2	30	− 5	16	+ 6	5	0	0·74	19	+ 1	3·6	− 1·4	23	1009
Eastern.																			
1. SCOTLAND, EAST ..	72	22	84·5	75·0	79·5	− 1·0	39	− 2	18	+ 7	5	+ 1	0·67	17	+ 4	5·6	+ 0·5	36	1009
2. ENGLAND, N.E. ..	74	28	85·9	77·2	81·3	+ 0·1	44	+ 3	7	+ 2	4	0	0·64	16	+ 5	5·3	− 0·6	35	1010
3. ENGLAND, EAST ..	68	31	85·8	77·3	81·3	− 0·8	44	− 8	6	+ 1	4	0	0·31	8	− 2	4·3	− 2·1	29	1011
4. MIDLAND COUNTIES	69	28	87·1	77·4	81·9	0·0	52	0	6	− 1	5	+ 2	0·53	13	+ 1	5·1	− 0·5	34	1010
5. ENGLAND, S.E. ..	70	28	86·8	78·3	82·3	− 0·4	49	− 6	1	− 1	5	+ 2	0·61	16	+ 6	5·1	− 1·5	35	1011
Western.																			
6. SCOTLAND, WEST ..	70	26	85·1	76·6	80·6	− 0·7	40	− 3	10	+ 5	5	+ 1	0·72	18	− 2	5·0	− 0·5	33	1009
7. ENGLAND, N.W. ..	68	27	85·6	77·7	81·4	− 0·3	42	− 2	4	+ 1	4	0	0·47	12	− 4	6·2	+ 0·5	41	1010
8. ENGLAND, S.W. ..	69	31	86·8	78·7	82·5	+ 0·2	50	0	0	− 2	5	+ 1	0·75	19	+ 3	6·7	+ 0·8	45	1011
9. IRELAND NORTH ..	69	25	85·6	77·7	81·4	− 0·3	42	− 2	4	+ 1	5	0	0·56	14	− 4	5·3	+ 0·2	35	1009
10. IRELAND, SOUTH ..	72	28	87·2	78·1	82·4	− 0·1	52	0	2	+ 1	5	+ 1	0·61	15	− 3	5·9	− 0·7	39	1010
11. ENGLISH CHANNEL..	66	38	87·0	81·3	84·0	+ 0·6	69	+ 8	0	0	4	0	0·56	14	+ 1	7·0	− 0·2	48	1011
MEAN: DISTRICTS 1-10	74	22	86·0	77·4	81·5	− 0·3	45	− 2	6	+ 1	5	+ 1	0·59	15	0	5·5	− 0·4	36	1010

THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, February 27th to May 7th, 1921.

0. SCOTLAND, NORTH ..	73	16	82·8	75·6	79·1	+ 1·0	265	+ 74	166	− 71	45	− 2	10·46	267	+ 49	4·2	+ 0·4	32	1011
Eastern.																			
1. SCOTLAND, EAST ..	72	8	83·4	75·0	79·0	+ 0·8	296	+ 61	210	− 55	36	− 5	4·40	112	− 16	4·9	+ 0·7	38	1014
2. ENGLAND, N.E. ..	74	24	84·5	76·6	80·4	+ 1·4	381	+121	99	− 94	33	− 5	2·53	65	− 35	4·9	+ 0·3	38	1016
3. ENGLAND, EAST ..	73	26	85·3	76·5	80·7	+ 1·3	432	+107	106	− 89	26	− 9	2·47	64	− 31	5·6	+ 0·8	43	1018
4. MIDLAND COUNTIES	72	25	85·3	76·4	80·7	+ 1·3	430	+ 91	109	−102	33	− 1	2·97	75	− 31	4·8	+ 0·5	37	1018
5. ENGLAND, S.E. ..	72	21	85·6	76·9	81·1	+ 1·0	448	+103	85	− 59	32	− 2	2·97	76	− 31	5·7	+ 0·8	45	1019
Western.																			
6. SCOTLAND, WEST ..	73	19	83·5	76·5	79·9	+ 0·8	315	+ 57	110	− 69	46	+ 5	8·79	223	+ 34	4·4	+ 0·1	34	1015
7. ENGLAND, N.W. ..	71	21	84·0	77·2	80·5	+ 1·1	345	+ 72	70	− 86	37	0	4·68	119	− 18	4·8	+ 0·4	37	1017
8. ENGLAND, S.W. ..	73	23	85·0	77·3	81·0	+ 0·9	403	+ 72	63	− 57	36	− 1	4·59	116	− 43	5·6	+ 0·9	44	1019
9. IRELAND, NORTH ..	69	23	84·2	77·1	80·5	+ 0·8	354	+ 65	73	− 70	44	2	5·23	132	− 27	4·6	+ 0·5	35	1015
10. IRELAND, SOUTH ..	74	23	85·1	77·7	81·2	+ 0·8	413	+ 56	51	− 55	41	+ 1	5·02	128	− 41	4·8	+ 0·1	37	1018
11. ENGLISH CHANNEL..	66	33	85·4	79·4	82·3	+ 0·9	490	+ 91	10	− 25	32	− 7	3·17	80	− 50	6·4	+ 0·8	50	1020
MEAN: DISTRICTS 1-10..	74	8	84·6	76·7	80·5	+ 1·0	382	+ 81	98	− 74	36	− 2	4·36	111	− 24	5·0	+ 0·5	39	1017

THE YEAR. Aggregates, &c., for the Period of 18 Weeks, January 2nd to May 7th, 1921.

0. SCOTLAND, NORTH ..	73	16	81·8	75·3	78·5	+ 1·2	368	+124	348	−174	84	− 4	21·93	559	+ 90	2·8	+ 0·1	26	1011
Eastern.																			
1. SCOTLAND, EAST ..	72	8	82·0	74·6	78·3	+ 1·1	379	+ 88	448	−151	65	− 8	8·99	227	− 15	3·6	+ 0·4	33	1013
2. ENGLAND, N.E. ..	74	22	83·2	76·2	79·6	+ 1·7	530	+200	250	−216	57	−11	5·09	131	− 46	3·4	+ 0·1	31	1016
3. ENGLAND, EAST ..	73	23	83·8	76·3	80·0	+ 1·9	625	+224	227	−261	50	−16	4·58	118	− 56	4·1	+ 0·5	37	1018
4. MIDLAND COUNTIES	72	23	83·7	76·2	79·9	+ 1·8	588	+164	251	−262	56	− 9	5·53	141	− 59	3·3	+ 0·1	30	1018
5. ENGLAND, S.E. ..	72	21	84·1	76·9	80·4	+ 1·6	650	+205	170	−206	58	− 6	5·66	145	− 63	4·0	+ 0·2	36	1019
Western.																			
6. SCOTLAND, WEST ..	73	19	82·5	76·3	79·3	+ 1·1	446	+112	240	−169	83	+ 4	17·58	446	+ 53	3·1	− 0·1	28	1015
7. ENGLAND, N.W. ..	71	20	83·0	77·0	79·9	+ 1·5	520	+167	161	−218	66	− 4	9·83	249	− 20	3·5	+ 0·3	31	1017
8. ENGLAND, S.W. ..	73	22	83·8	77·4	80·5	+ 1·4	618	+161	131	−168	64	− 7	8·69	220	− 96	3·9	+ 0·3	35	1019
9. IRELAND, NORTH ..	69	23	83·3	77·1	80·2	+ 1·4	567	+170	148	−188	79	− 6	10·55	267	− 45	3·2	+ 0·1	29	1015
10. IRELAND, SOUTH ..	74	23	84·1	77·6	80·8	+ 1·2	664	+147	117	−141	77	0	10·72	273	− 68	3·3	− 0·2	30	1018
11. ENGLISH CHANNEL..	66	32	84·4	79·5	81·9	+ 1·2	787	+195	27	− 78	66	−11	6·30	159	−105	4·5	+ 0·3	40	1020
MEAN: DISTRICTS 1-10 ..	74	8	83·4	76·6	79·9	+ 1·5	559	+164	214	−198	66	− 6	8·72	222	− 42	3·5	+ 0·2	32	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
13th May, 1921.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE LIBRARY 23 MAY 1921

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FORTY-FOURTH YEAR. *Vol. XXXVIII. (New Series)* | No. 19.

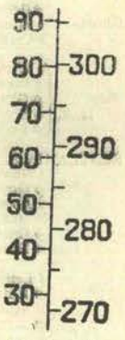
NINETEENTH WEEK.

SUNDAY, MAY 8TH, TO SATURDAY, MAY 14TH, 1921.

Price 6d. Net, Post Free 9d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was for the most part of a rather unsettled type. Showers of rain fell in most parts of the country, and hail was reported at one or two stations. Thunder was heard in many places and there was also a good deal of mist or fog. Towards the close of the week, however, fine weather was experienced generally, but more especially in the southern districts. The highest of the maximum temperatures occurred on the 13th when a reading of 299 a was recorded at Norwich, while several stations reported readings of 296 a and above. The lowest of the screen minima were registered either on the 10th or 11th, the absolute lowest being 271 a at Balmoral, while temperature on the grass fell as low as 269 a in several places on the same dates. For the week as a whole the mean temperature was above the normal in all districts, the excess ranging from 0·6 a in Ireland S. to 3·2 a in England E. Rainfall was deficient in Scotland, but generally above the normal at the English and Irish stations. Individual amounts of 10mm. or more were recorded at many stations, but more especially in the western parts of the country. Seskin (Carrick-on-Suir) had a fall of 18mm., and Waterford 17mm. on the 10th, while Portland Bill measured 16mm. on the 14th, and Weymouth 14mm. on the 11th. Bright sunshine was below the normal in the western parts of the country but generally in excess elsewhere; at many stations between 13 and 14 hours were registered on various dates, amongst the largest amounts recorded were Aberdeen 14·4 hours on the 11th, Eastbourne 14·2 hours on the 10th, Brighton 13·9 hours on the 10th, and Worthing 13·8 hours on the 9th. Aurora was witnessed on the 13th at Norwich and Yarmouth and also as far south as Okehampton, Devon. Solar halos were observed at Greenwich on the 12th, at Ross-on-Wye and Dublin on the 14th, at Raunds on the 11th and 14th, and at Oxford on each day of the week with the exception of Thursday. A lunar halo was seen at Dublin on the 13th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	2·6	21	3·6	25	4·6	18	3·2	21	4·8	13	4·7	21	3·5	—	—
North	2	2·5	3	2·1	0	0·0	0	0·0	4	1·8	12	3·2	2	2·2	—	—
West	7	2·8	18	2·4	18	3·6	13	1·6	19	2·8	24	4·1	14	3·7	—	—
East	16	2·8	2	1·6	5	2·8	3	1·8	5	2·4	2	8·0	10	3·5	—	—
Calm	3	—	4	—	3	—	10	—	3	—	0	—	4	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Unusual	Unusual	Very Unusual	Very Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ..	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Sunshine ..	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *11* weeks from February 27th 1921. Warmth ..	**7**, 3, **1**	**7**, 2, **2**	**8**, 3, **0**	**8**, 3, **0**	**8**, 3, **0**	**8**, 2, **1**	**8**, 3, **0**	**8**, 3, **0**	**7**, 4, **0**	**8**, 2, **1**	**7**, 3, **1**	**8**, 2, **1**
Rainfall ..	**6**, 3, **2**	**3**, 4, **4**	**1**, 3, **7**	**1**, 5, **5**	**1**, 7, **3**	**1**, 6, **4**	**2**, 7, **2**	**2**, 6, **3**	**2**, 6, **3**	**1**, 8, **2**	**1**, 7, **3**	**1**, 6, **4**
Sunshine ..	**4**, 4, **3**	**4**, 6, **1**	**2**, 9, **0**	**7**, 3, **1**	**4**, 6, **1**	**6**, 4, **1**	**3**, 4, **4**	**5**, 4, **2**	**5**, 4, **2**	**4**, 3, **4**	**4**, 3, **4**	**4**, 6, **1**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0 SCOTLAND, N.																							
t Lerwick	54	54	14th	42	11, 12	50·6	43.4	46·8	+3·3	4	1·54	14	+ 1										
p Deerness, Orkney	165	59	14th	43	9, 11	56·9	44·7	50·4	+5·9	2	0·05	1	—11	Deerness	7·5	+2·0	46	—	—	—	—	—	—
a, Islands *t* Stornoway	51	60	12th	39	11th	56·3	45·1	50·4	+4·8	4	0·16	4	—12	Stornoway	6·6	+0·7	41	—	—	—	—	—	—
t Castlebay, Barra I.	37	56	13th	47	10th	53·1	48·6	50·7	—	6	0·31	8	—	Castlebay	4·0	—	25	—	—	—	—	—	—
t Wick	81	61	14th	36	11th	55·9	43·3	49·2	+4·0	2	0·06	2	—11										
a Strathpeffer	125	64	12th	40	9th	60·0	43·0	51·0	+3·9	2	0·35	9	— 2										
b, Main- *p* Glencarron	500	62	11, 12	37	11, 14	57·0	41·9	49·0	+3·0	4	0·39	10	—18										
land. *a* Fort Augustus	68	67	12th	34	11th	60·0	41·9	50·4	+3·7	1	0·11	3	—12										
p Fort William	171	69	12th	36	11th	60·7	44·3	52·0	+4·0	7	0·72	18	— 5										
1. SCOTLAND, E.																							
t Nairn	82	63	9th	37	11th	60·4	42·6	51·0	+3·8	6	0·25	6	— 5	Nairn	6·4	—	40	—	—	—	—	—	—
p Gordon Castle	101	67	12th	40	11th	62·6	45·4	53·5	+6·0	3	0·34	9	— 3	Gordon Castle	6·5	—	40	—	—	—	—	—	—
t Aberdeen	46	67	13th	38	11th	60·3	44·9	52·1	+5·3	2	0·13	3	—11	Aberdeen	7·4	+1.4	46	2	25	—	—	46·5	+1·6
a Balmoral	930	64	12th	28	11th	58·3	36·7	46·9	+2·4	3	0·16	4	—10	Balmoral	—	—	—	3	25	—	—	—	—
p Crieff	432	60	11, 14	38	11th	58·6	43·4	50·5	+2·1	4	0·33	8	— 6	Crathes	6·1	+0.7	38	0	31	48·6	+0·8	44·7	—0·5
a Dundee	244	62	13th	35	11th	60·3	42·1	50·7	+2·9	4	0·11	3	— 9	Dundee	5.1	—	32	0	31	50·3	—	—	—
t Leith	30	64	13th	43	11th	58·9	46·6	52·4	+3·9	4	0·10	3	— 8	Leith	—	—	—	0	35	—	—	—	—
p Edinburgh	441	64	13th	44	10, 11	58·4	46·3	52·0	+5·0	2	0·07	2	— 8	Edinburgh	4.6	—0.9	29	0	34	—	—	—	—
a West Linton	769	63	11, 13	33	11th	57·9	41·9	49·4	+4·4	5	0·28	7	—	West Linton	—	—	—	0	31	—	—	—	—
p Marchmont	498	—	—	40	11th	—	45·0	—	—	2	0·10	3	—11	Marchmont	5.4	—0.2	34	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	64	12th	40	11th	58·5	44·1	50·9	—	7	0·77	20	—	Ford (Argyll)	—	—	—	0	33	51·6	—	46·9	—
t Renfrew	49	65	11th	40	11th	59·4	46·7	52·7	—	3	0 24	6	—	Renfrew	4.3	—	27	1	28	—	—	—	—
p Rothesay	200	63	12th	41	10th	57·6	45·3	51·1	+2·2	6	0·43	11	— 6	Rothesay	4.9	—	31	0	36	52·6	—	48·4	+1·3
a Kilmarnock	90	66	11th	43	13th	60·6	47·1	53·5	+5·2	3	0·33	8	— 6	Kilmarnock	3·4	—	22	—	—	50·6	—	47·6	—
a Colmonell	170	63	12th	40	10, 11	59·0	45·9	52·1	+3·7	3	0·24	6	— 8	Colmonell	—	—	—	0	33	—	—	—	—
p Dumfries	160	63	11, 13	40	11th	58·7	47·9	52·5	+3·2	4	0·41	10	— 4	Dumfries	4·1	—	26	0	34	52·0	+1·7	47·8	—0·4
t Eskdalemuir	794	62	11, 13	34	11th	55·6	44·3	49·8	—	5	0·46	12	—	Eskdalemuir	3·7	—	24	1	29	—	—	—	—
b, I. OF MAN *h* Douglas	284	62	13th	43	10th	56·0	47·7	51·6	+2·9	4	0·28	7	— 7	Douglas	5·1	—1·6	33	0	37	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	71	13th	39	11th	61·8	45·6	53·2	+5·9	4	0·40	10	— 3	Cockle Park	6·5	+0·7	41	1	30	50.6	+2·5	47·7	+1·7
t Tynemouth	118	66	13th	41	11th	59·6	46·6	52·7	+5·5	5	0·68	17	+ 6										
p Durham	336	68	13th	37	10th	61·1	43·6	51·8	+4·3	3	0·65	16	+ 5	Durham	6·9	+1·6	44	2	28	—	—	—	—
a North *p* Rounton	249	70	12, 13	38	10th	64·1	44·7	53·8	+6·5	4	0·47	12	+ 1	Rounton	—	—	—	1	29	52·1	—	—	—
a West Witton	605	68	13th	39	8, 11	61·9	44·3	52·6	—	4	0·41	10	—	West Witton	—	—	—	0	31	50·3	—	45·8	—
h Scarborough	118	70	14th	45	9th	62·4	48·0	54·8	+6·5	3	0·46	12	+ 1	Scarborough †	6.7	+0·6	43	—	—	—	—	50·9	—
p York	56	71	12, 13	42	10th	64·4	46·7	55·0	+5·0	5	0·47	12	+ 1	York	4·9	—0·5	32	—	—	51·8	+2.1	48·8	+1.6
t Spurn Head	26	73	14th	43	9, 10	61·6	46·1	53·4	+4·7	3	0·31	8	0										
b, South *a* Lincoln	58	73	14th	40	11, 12	66·3	44·4	54·7	+4·0	5	0·65	17	+ 7	Lincoln	—	—	—	0	37	52·6	+2.0	49.1	+1.7
a Fulbeck	180	75	13th	41	10th	66·0	45·3	55·0	+4·9	6	0·69	17	+ 6	Fulbeck	6·9	+0·4	44	0	35	—	—	—	—
														Skegness	10·0	—	65	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	73	14th	39	10th	65·7	44·7	54·6	+5·5	3	0·14	4	—5	Cromer	8·0	+1·6	52	—	—	—	—	—	—
a Little Massingham	277	72	14th	41	9, 11	65·9	45·0	54·8	+5·1	4	0·19	5	—6	Lit Massingham	8·9	+2.6	58	—	—	—	—	—	—
t Yarmouth	13	61	8, 14	39	9th	59 4	47·1	52·9	+4·1	0	0·00	0	—10	Yarmouth	10·3	—	67	1	29	53·6	—0·1	50·9	—0.1
a Norwich	93	78	13th	42	10th	69·3	48·0	58·0	+7·7	3	0·06	2	—9	Norwich	8.8	—	57	0	37	57·1	—	—	—
a Geldeston	37	76	13th	41	10, 11	67·7	46·0	56·2	+6·6	1	0·12	3	—7	Geldeston	8.2	+1·4	53	—	—	—	—	—	—
p Cambridge	41	75	13th	38	11th	67·3	45·6	55·8	+5·0	4	0·20	5	—5	Cambridge	8·3	+2·0	54	0	31	54.6	+2·0	50·8	+1.0
t Clacton-on-Sea	54	62	13, 14	48	10th	60·0	50·9	55·2	+5·5	1	0·02	0·4	—8	Clacton-on-Sea	9·5	+2.2	62	0	45	54·8	+3·0	51·4	+1·2
a Rothamsted	420	70	13th	39	11th	64·0	45·3	54·1	+4·3	5	0·84	21	+10	Rothamsted	6·9	+0.7	45	1	28	52·1	—	—	—
p Tottenham	51	73	13, 14	45	11th	65·7	50·3	57·5	—	3	0·25	6		Tottenham	6·7	—	44	0	45	—	—	51·4	+1.2
														Southend	8·5	—	56	0	41	55·6	+3·1		
4. MIDLAND COUNTIES.																							
h Harrogate	479	69	13th	39	10th	62·4	45·7	53·6	+5·9	4	0·19	5	— 5	Harrogate	5·5	+0·2	35	0	31	50·5	+2·8	48·4	+1·9
a North *p* Sheffield	429	69	12th	41	10th	63·1	46·0	54·0	—	4	0·20	5	—	Sheffield	4·6	—0·8	30	0	35	51·2	+2·2	47·6	+1·9
h Buxton	987	67	13th	36	11th	59·9	43·0	50·9	+4·2	5	0·60	15	+1	Buxton	4·8	—	31	0	32	50·5	+1·9	46·5	+1.1
a Worksop	56	74	12th	35	11th	66·6	44·0	54·6	+5 0	4	0·45	11	+2	Worksop	4.8	—0·5	31	0	31	53·6	—	49·8	—
t Nottingham	82	71	13th	40	11th	65·3	44·9	54·5	+4·5	5	0·53	13	+4	Nottingham	5·2	—0·6	34	0	34	54·2	+3·4	48·9	+1.7
b, East *p* Birmingham, Edgbsn.	525	72	13th	40	10th	63·7	46·4	54·5	+4·5	5	0·57	14	+4	Birmingham	5·5	+0·7	36	0	35	50·0	+2·3	47·1	+1.0
a Raunds	203	74	13th	39	11th	66·6	44·3	54·8	+4·3	4	0·57	15	+4	Raunds	7·3	—	47	0	35	52·6	—	—	—
p Oxford	208	73	13th	44	10, 13	65·1	46·7	55·4	+4·4	5	0·74	19	+10	Oxford	6·0	—0·2	39	0	39	—	—	—	—
														Malvern	5·3	—	35	0	36	53·6	—	50·5	—
a Cheadle (N. Staffs.)	646	69	13th	39	10th	61·3	45·1	52·7	+4·1	5	0·62	16	+6	Cheadle	—	—	—	0	33	—	—	—	—
c, West *p* Tenbury	313	72	13th	36	10th	62·7	43·6	52·6	+3·1	6	0·50	13	+5	Tenbury	—	—	—	1	30	52·8	—	—	—
a Hereford	291	77	12th	40	10th	62·6	45·1	53·3	+2·8	4	0·64	16	+6	Ross on Wye	5·2	—	34	0	31	54·6	—	51·1	—
a Clifton	225	69	13th	42	10, 11	61·9	47·0	54·0	+1·8	4	0·81	21	+11	Clifton	5·4	—	35	0	40	—	—	—	—
														Worthing	7·3	0 0	48	0	43	56·1	+2·3	51·7	+1.3
5. ENGLAND, S.E.																							
a Marlborough	424	70	13th	41	14th	62·6	44·6	53·1	+3·4	5	0·79	20	+10	Marlborough	4·8	—1.0	32	0	32	53·2	—	50·1	—
a Porton	340	71	13th	41	9 10 14	63·8	45·7	54·2	—	4	0·43	11	—	Porton	—	—	—	1	30	54·8	—	—	—
a Wisley, Surrey	150	72	13, 14	43	11th	66·0	47·0	55·9	+4 8	4	0·30	8	0	Wisley, Surrey	7·1	+0·7	47	1	29	54·1	+1·8	50·0	+0·7
h Tunbridge Wells	354	71	14th	42	10th	64·1	46·7	54·9	+4·1	2	0·05	1	—9	Tunbridge Wells	7·1	+0·4	47	0	34	54·3	+2·1	51·0	—
h Margate	51	71	14th	44	10th	64·6	48·9	56·3	+5·1	0	0·00	0	—8	Margate	9·3	+2·8	61	0	37	55.8	+4·3	52·5	+3.4
t Dungeness	21	61	11, 12	42	10th	58·0	49·1	53·3	+2·7	0	0·00	0	—6	Folkestone	7·2	—	47	—	—	—	—	49·8	—
h St. Leonards	178	63	12th	45	10th	58·7	49·0	53·6	+2·4	2	0·09	2	—6	St. Leonards	6·5	—0·8	43	0	38	56·1	—	51·1	—
p Southampton	64	72	13th	46	10, 11	64·0	47·9	55·5	+2·6	4	0·30	8	—2	Southampton	7·1	+0·3	46	0	37	—	—	—	—
a Ventnor	59	64	13, 14	47	13th	60·1	48·9	54·2	+2·1	2	0·08	2	—7	Ventnor	7·0	—0·1	46	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	73	14th	44	11th	66·7	48·4	57·0	+5·1	5	0·33	8	—1	Richmond	7·0	+0·7	46	0	32	—	—	—	—
a Westminster	27	73	13, 14	46	9, 10	67·0	48·9	57·4	+4·8	2	0·15	4	—4	Westminster	6·4	+1·0	42	0	39	—	—	—	—
ag Greenwich	149	75	13, 14	41	11th	68·6	45·9	56·8	+4·2	4	0·27	7	—2	Greenwich	6·8	+0·5	45	1	30	—	—	—	—
a Hampstead	450	72	13th	45	9, 11	64·6	48·3	56·0	—	4	0·18	5	—	Hampstead	6·6	—	43	0	34	—	—	—	—
ag Camden Square	110	78	14th	43	11th	71·1	48·0	58·9	+5·5	3	0·16	4	—5	Camden Square	—	—	—	0	40	53·2	—	49·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	63	11th	40	10th	58·1	44·4	50·8	+2·5	4	0·70	18	+5	Aspatria	5·8	—0.1	37	0	37	49·5	—0·9	47·7	+0.4
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	66	12, 14	42	10th	61 6	47·0	53.9	+5·1	5	1·08	28	+13	Stonyhurst	4·3	—1·5	28	0	36	—	—	—	—
h Blackpool	66	63	12, 13	42	10th	60·1	47·4	53.4	+4·3	5	0·42	11	—1	Blackpool	5·9	—1·0	38	0	39	52.4	—	48.6	—
h Southport	37	62	13th	41	10th	59·4	46·7	52.7	+3·1	4	0·54	14	+3	Southport	6·1	—0.6	39	0	35	55 7	+3·2	51·4	+1.4
														Hoylake	4·9	—1·2	32	—	—	—	—	—	—
t Liverpool (Bidston)	188	63	13th	41	10th	60·3	47 3	53·4	+3·2	4	0·46	12	+2	Liverpool	4·2	—	27	0	34	—	—	—	—
a Hawarden Bridge	22	66	13th	38	11th	61·1	45·1	52·3	+1·9	5	0·54	14	+4	Manchester City	3·8	—1·1	25	0	40	52·8	+3·2	49·8	+1.9
p Manchester (Whit. Pk.)	125	71	13th	41	10th	63·0	48·0	55·1	+4·2	5	0·66	17	+6	„ Whit. Pk.	4·2	—0·6	27	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	62	13th	44	10, 11	59·0	47·9	53·1	+2·8	3	0·16	4	—6	Llandudno	5·9	—0·8	38	—	—	—	—	—	—
t Holyhead	15	61	13th	46	10th	56·0	48·0	51·8	+2·5	6	0·58	15	+5	Holyhead	6·4	—	42	0	36	—	—	—	—
a Aberdovey	60	63	13th	47	10th	57·1	49·6	53·1	—	4	0 77	20	—	Aberdovey	4·5	—1·9	29	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	61	13th	44	10th	57·1	48·3	52·4	—	5	0·60	15	—	Aberystwyth	Hr. 4·3	Hr. —2·1	% 28	°F. —	°F. —	°F. —	°F. —	°F. —	°F. —
a Rhayader	757	68	13th	36	10th	58·9	43·1	50·5	—	6	0·48	12	—	Rhayader ..	3·0	—	19	2	26	—	—	—	—
t Pembroke		58	13th	46	8th	54·4	48·1	51·1	+1·8	5	0·39	10	0	Pembroke ..	5·6	—1·5	36	—	—	—	—	—	—
p Cardiff	202	69	13th	42	10th	60·0	46·9	53·1	+2·5	4	0·49	12	—1	Cardiff ..	5·4	—	36	1	27	54·3	+1·9	50·8	+1·8
b, ENGLAND, S.W.																							
h Bath	66	72	13th	41	10th	63·3	46·9	54·6	+3·4	5	0·60	15	+5	Bath	4·5	—2·4	29	—	—	54·7	+2·0	52·0	+2·2
a Shaftesbury	722	69	13th	42	9, 10	60·3	45·3	52·4	+2·7	5	0·69	17	+6	Shaftesbury ..	—	—	—	—	—	53·2	—	50·7	—
a Arlington	613	66	13th	41	10th	58·6	45·8	51·8	+2·5	6	0·45	11	—4										
h Newquay	190	59	13th	43	9, 10	56·8	46·9	51·6	+0·9	4	0·60	15	+6	Newquay ..	5·7	—1·4	38	—	—	54·1	—	51·2	—
a Cullompton	202	70	13th	41	14th	61·4	46·3	53·4	+2·2	5	0·80	20	+9	Cullompton ..	2·4	—4·0	16	0	33	54·7	—	—	—
t Portland Bill	19	60	13th	50	8, 13	55·4	50·4	52·8	+2·3	3	0·78	20	+12	Weymouth ..	6·8	—	44	—	—	—	—	—	—
p Plymouth	116	72	13th	48	8 10 14	60·0	49·3	54·3	+2·5	5	0·69	18	+7	Plymouth ..	5·2	—1·8	34	0	44	56·1	+2·1	52·2	—
a Falmouth	167	66	13th	44	10, 14	59·1	47·0	52·7	+1·7	6	0·78	20	+8	Falmouth ..	4·8	—2·7	32	0	36	56·7	—	54·7	—
9. IRELAND, N.																							
t Malin Head	208													Malin Head ..									
a, West .. *t* Blacksod Point ..	10	57	14th	41	10th	54·9	46·6	50·5	+0·8	5	0·07	2	—13										
a Mallarany ..	120	59	12th	40	10th	56·4	46·7	51·3	—	6	0·60	15	—	Mallarany ..	5·3	—	34	1	30	—	—	—	—
p Markree Castle	122	63	12th	31	10th	57·6	43·9	50·3	+1·4	4	0·74	19	+5	Markree Castle	4·0	—1·9	25	1	24	52·9	+0·7	49·6	+0·9
b, East .. *p* Armagh	204	64	12th	40	10th	58·7	45·4	51·7	+2·4	5	0·66	17	+4	Armagh ..	2·9	—2·9	18	0	36	52·2	+0·9	49·2	+0·7
t Donaghadee	35	61	13th	41	10th	57·0	46·6	51·5	+2·6	4	0·24	6	—6										
10. IRELAND, S.																							
p Dublin, City	54	64	13th	42	10th	59·4	47·4	53·0	+1·8	5	0·48	12	+1	Trinity Coll.	2·5	—	16	0	32	53·1	+1·6	50·8	+1·4
t Birr Castle	175	64	12th	31	10th	57·9	43·7	50·4	+0·8	6	0·79	20	+8	Phœnix Park	3·7	—2·5	24	0	31	—	—	—	—
a Kilkenny	195	68	12, 13	38	8, 13	60·1	44·6	51·9	+1·7	5	0·56	14	+2	Dublin City ..	—	—	—	0	36	—	—	—	—
a Waterford	137	66	12, 13	39	10th	60·3	44·4	51·9	+1·0	4	0·89	23	+11	Birr Castle ..	3·2	—2·2	21	1	26	—	—	—	—
p Seskin, Carrick-on-Suir	542	65	12, 13	38	10th	58·7	44·1	51·0	—	5	0·98	25	—	Seskin ..	3·6	—	23	1	28	—	—	—	—
a Cahir	199																						
a Foynes	50	60	13th	40	10th	58·0	45·9	51·6	+0·7	4	0·43	11	—1										
t Cahirciveen (Val. Obs.)	30	57	13th	42	10th	53·9	46·7	50·1	—0·9	6	0·73	19	+2	Cahirciveen ..	4·0	—2·1	26	0	36	—	—	—	—
a Killarney	174	65	12th	39	10th	59·4	46·3	52·5	+1·7	5	0·35	9	—7	Ballinacurra	3·5	—2·7	23	—	—	—	—	—	—
t Roche's Point	32	64	12th	42	10th	58·4	47·6	52·7	+2·1	6	0·78	20	+7										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	59	12, 13	48	8 10 13	57·9	48·7	53·0	+1·7	5	0·69	18	+11	Scilly ..	5·7	—1·9	38	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	64	14th	44	10th	59·4	49·4	54·1	+1·3	1	0·01	0·2	—7	St. Heliers ..	7·8	—0·3	51	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	66	13, 14	48	9, 10	61·0	49·7	55·0	+2·2	3	0·19	5	—2	Guernsey† ..	8·7	+0·4	58	0	38	55·7	+1·5	53·2	+1·7

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, May 14th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d. h. m.
0. SCOTLAND, N.																	
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	23	122	23	0	260	9	13	13	—	— — —
1. SCOTLAND, E.																	
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	— — —
Aberdeen (Cup Anr.)† ..	120	72	12	—	0	—	0	8	118	42	0	220	9	14	13	—	— — —
Edinburgh	485	39	31	—	0	—	0	35	97	36	0	180	10	14	6	15	14 9 30
6. SCOTLAND, W.																	
Eskdalemuir	825	50	22	—	0	14	5	56	62	45	0	200	11	14	7	16	9 12 40
Paisley	188	81	15	—	0	—	0	33	106	29	0	200	9	14	8	17	14 11 25
2. ENGLAND, N.E.																	
Alnwick Castle	340	70	17	—	0	—	0	0	78	90	0	150	5	8	15	11	9 12 30
South Shields	72	61	12	—	0	—	0	19	76	73	0	250	8	14	13	14	14 13 0
Spurn Head	66	40	‡	—	Instrument dismounted.												
3. ENGLAND, E.																	
Gorleston	52	42	‡	—	0	8,9	6	75	71	16	0	200	15	8	13	20	8 12 35
Shoeburyness	103	90	‡	—	0	8	3	27	89	49	0	210	12	8	12	17	8 11 25
4. MIDLAND COUNTIES.																	
Benson	270	84	‡	—	0	—	0	35	79	54	0	200	¶8	8 / 9	10 / 13	14	8 14 15 / 9 13 20
5. ENGLAND, S.E.																	
Brighton	261	53	6	—	0	—	0	24	101	43	0	—	8	8	11	14	8 10 0
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	60	93	14	1	210	10	9	14	16	8 12 50
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	17	86	65	0	210	10	8	11	16	8 11 0
7. ENGLAND, N.W.																	
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	20	128	20	0	190	8	8	24	—	— — —
Southport	80	62	48	—	0	—	0	33	119	16	0	210	9	8	17	14	8 17 0
Holyhead	60	40	‡	—	0	—	0	85	68	15	0	210	11	8	21	16	8 14 20
8. ENGLAND, S.W.																	
Pendennis Castle§ ..	256	65	24	—	0	8, 10, 11, 14	37	82	33	0	16	240	16	8	14	21	8 14 30
Plymouth	185	88	2	—	0	8, 11	4	57	93	14	0	—	12	11	7	26	11 7 45
Lyme Regis	556	61	‡	—	0	—	0	9	82	77	0	—	8	8	14	13	8 14 5
10. IRELAND, S.																	
Kingstown (Cup Anr.) ..	49	27	—	—	0	11	1	63	88	16	0	110	11	11	6	—	— — —
Quilty	100	40	‡	—	0	8, 10, 11	17	101	48	2	0	—	12	10	14	17	10 13 45
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡‡														
Weaver Pt.	160	30	‡‡‡‡‡	—	0	8, 10, 11	13	50	97	8	0	—	12	10	16	19	8 17 5
11. ENGLISH CHANNEL.																	
Scilly	150	32	‡	—	0	10, 11	4	55	78	31	0	140	12	10	23	18	10 21 45

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

† Tube Anemograph out of action since 5th Feb., 1920.

¶ Also from 110° on 11 d at 52.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINETEENTH WEEK of 1921—May 8th to May 14th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	69	34	87·1	79·4	83·0	+ 1·9	56	+ 14	0	− 7	3	− 1	0·32	8	− 9	7·0	+ 1·9	43	1009
Eastern.																			
1. SCOTLAND, EAST ..	67	28	88·3	79·2	83·4	+ 2·0	62	+ 15	0	− 7	4	0	0·21	5	− 8	5·8	+ 0·2	37	1009
2. ENGLAND, N.E. ..	75	37	90·2	80·6	85·1	+ 3·0	83	+ 34	0	− 3	4	+ 1	0·53	13	+ 2	7·0	+ 1·0	45	1012
3. ENGLAND, EAST ..	78	38	91·3	81·3	86·1	+ 3·2	95	+ 35	0	− 3	3	0	0·20	5	− 5	8·4	+ 1·9	54	1015
4. MIDLAND COUNTIES	77	35	90·7	80·4	85·2	+ 2·4	84	+ 21	0	− 5	5	+ 2	0·56	14	+ 4	5·3	− 0·5	34	1013
5. ENGLAND, S.E. ..	73	41	90·2	81·7	85·7	+ 2·1	90	+ 24	0	− 2	3	0	0·24	6	− 3	7·1	+ 0·4	46	1015
Western.																			
6. SCOTLAND, WEST ..	66	40	87·7	80·9	84·2	+ 1·9	71	+ 17	0	− 3	5	+ 1	0·41	10	− 6	4·7	− 1·1	30	1011
7. ENGLAND, N.W. ..	71	38	88·5	81·3	84·7	+ 2·1	77	+ 22	0	− 2	5	+ 1	0·58	15	+ 3	5·2	− 0·9	34	1012
8. ENGLAND, S.W. ..	72	36	88·1	81·3	84·5	+ 1·2	75	+ 22	0	− 1	5	+ 2	0·62	16	+ 4	4·4	− 2·2	29	1014
9. IRELAND, NORTH ..	64	31	87·0	80·3	83·5	+ 0·9	62	+ 8	0	− 2	5	+ 1	0·50	13	0	3·4	− 2·4	22	1009
10. IRELAND, SOUTH ..	68	31	87·6	80·7	83·9	+ 0·6	68	+ 6	0	− 1	5	+ 1	0·67	17	+ 4	3·6	− 2·4	23	1011
11. ENGLISH CHANNEL..	66	44	88·2	82·6	85·2	+ 1·1	84	+ 14	0	0	3	0	0·30	8	0	7·4	− 0·7	49	1014
MEAN: DISTRICTS 1-10	78	28	89·0	80·8	84·6	+ 1·9	77	+ 20	0	− 3	4	+ 1	0·45	11	− 1	5·5	− 0·6	35	1012

THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, February 27th to May 14th, 1921.

0. SCOTLAND, NORTH ..	73	16	83·2	76·0	79·4	+ 1·0	321	+ 88	166	− 78	48	− 3	10·78	275	+ 40	4·2	+ 0·2	31	1011
Eastern																			
1. SCOTLAND, EAST ..	72	8	83·8	75·4	79·4	+ 0·9	358	+ 76	210	− 62	40	− 5	4·61	117	− 24	5·0	+ 0·7	37	1013
2. ENGLAND, N.E. ..	75	24	85·1	76·9	80·8	+ 1·6	464	+155	99	− 97	37	− 4	3·06	78	− 33	5·1	+ 0·4	39	1016
3. ENGLAND, EAST ..	78	26	85·8	77·0	81·2	+ 1·5	527	+142	106	− 92	29	− 9	2·67	69	− 36	5·8	+ 0·9	45	1018
4. MIDLAND COUNTIES	77	25	85·8	76·7	81·1	+ 1·4	514	+112	109	−107	38	+ 1	3·53	89	− 27	4·8	+ 0·4	37	1018
5. ENGLAND, S.E. ..	73	21	86·0	77·3	81·5	+ 1·1	538	+127	85	− 61	35	− 2	3·21	82	− 34	5·9	+ 0·9	45	1018
Western.																			
6. SCOTLAND, WEST ..	73	19	83·9	76·9	80·3	+ 0·9	386	+ 74	110	− 72	51	+ 6	9·20	233	+ 28	4·4	− 0·1	33	1015
7. ENGLAND, N.W. ..	71	21	84·4	77·6	80·9	+ 1·2	422	+ 94	70	− 88	42	+ 1	5·26	134	− 15	4·8	+ 0·2	37	1017
8. ENGLAND, S.W. ..	73	23	85·2	77·7	81·3	+ 0·9	478	+ 94	63	− 58	41	+ 1	5·21	132	− 39	5·5	+ 0·6	42	1019
9. IRELAND, NORTH ..	69	23	84·4	77·4	80·8	+ 0·9	416	+ 73	73	− 72	49	− 1	5·73	145	− 27	4·5	+ 0·2	34	1014
10. IRELAND, SOUTH ..	74	23	85·3	78·0	81·5	+ 0·8	481	+ 62	51	− 56	46	+ 2	5·69	145	− 37	4·7	− 0·1	35	1017
11. ENGLISH CHANNEL..	66	33	85·7	79·7	82·6	+ 0·9	574	+105	10	− 25	35	− 7	3·47	88	− 50	6·5	+ 0·7	50	1019
MEAN: DISTRICTS 1-10..	78	8	85·0	77·1	80·9	+ 1·1	458	+101	98	− 77	41	− 1	4·82	122	− 24	5·1	+ 0·4	38	1017

THE YEAR. Aggregates, &c., for the Period of 19 Weeks, January 2nd to May 14th, 1921.

0. SCOTLAND, NORTH ..	73	16	82·1	75·6	78·7	+ 1·2	424	+138	348	−181	87	− 5	22·25	567	+ 81	3·1	+ 0·3	27	1011
Eastern.																			
1. SCOTLAND, EAST ..	72	8	82·4	74·9	78·5	+ 1·1	441	+103	448	−158	69	− 8	9·20	232	− 23	3·7	+ 0·4	33	1013
2. ENGLAND, N.E. ..	75	22	83·5	76·4	79·9	+ 1·8	613	+234	250	−219	61	−10	5·62	144	− 44	3·6	0·0	32	1016
3. ENGLAND, EAST ..	78	23	84·2	76·5	80·3	+ 1·9	720	+259	227	−264	53	−16	4·78	123	− 61	4·3	+ 0·6	38	1018
4. MIDLAND COUNTIES	77	23	84·0	76·4	80·1	+ 1·7	672	+185	251	−267	61	− 7	6·09	155	− 55	3·4	+ 0·1	30	1018
5. ENGLAND, S.E. ..	73	21	84·4	77·1	80·7	+ 1·6	740	+220	170	−208	61	− 6	5·90	151	− 66	4·2	+ 0·4	37	1019
Western.																			
6. SCOTLAND, WEST ..	73	19	82·7	76·5	79·6	+ 1·2	517	+129	240	−172	88	+ 5	17·99	456	+ 47	3·2	0·0	28	1015
7. ENGLAND, N.W. ..	71	20	83·3	77·2	80·2	+ 1·6	597	+189	161	−220	71	− 3	10·41	264	− 17	3·5	+ 0·1	31	1017
8. ENGLAND, S.W. ..	73	22	84·0	77·6	80·7	+ 1·3	693	+183	131	−169	69	− 5	9·31	236	− 92	4·0	+ 0·3	35	1019
9. IRELAND, NORTH ..	69	23	83·5	77·3	80·3	+ 1·3	629	+178	148	−190	84	− 5	11·05	280	− 45	3·2	0·0	28	1014
10. IRELAND, SOUTH ..	74	23	84·3	77·8	81·0	+ 1·2	732	+153	117	−142	82	+ 1	11·39	290	− 64	3·3	−0·3	29	1018
11. ENGLISH CHANNEL..	66	32	84·6	79·6	82·6	+ 1·7	871	+209	27	− 78	69	−11	6·60	167	−105	4·6	+ 0·2	41	1020
MEAN: DISTRICTS 1-10 ..	78	8	83·6	76·8	80·1	+ 1·5	635	+184	214	−201	70	− 5	9·17	233	− 42	3·6	+ 0·2	32	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
20th May, 1921.

28 MAY 1921
METEOROLOGICAL OFFICE
LIBRARY

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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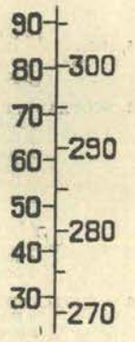
FORTY-FOURTH YEAR. Vol. XXXVIII (New Series) No. 20.

TWENTIETH WEEK.
SUNDAY, MAY 15TH, TO SATURDAY, MAY 21ST, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions prevailed over the greater part of England during the past week and the weather was fine and dry generally. In Scotland owing to the influence of depressions over the Iceland region the weather was unsettled, with frequent rain in many places. Over England generally the highest of the maxima occurred on the 21st when readings of about 295 a were recorded in several districts. Warm nights were experienced at the beginning and towards the end of the week, the reading of the minimum thermometer on the morning of the 15th and also on the 20th being as high as 284 a at a number of stations. At Portland Bill the temperatures were never below 283 a during the week, whereas at Rhayader in Radnorshire and also at several stations in Scotland readings below the freezing point were reported. On the grass readings as low as 266 a (at Rhayader) and 268 a (at Birmingham) were registered on the morning of the 16th. Mean temperature for the week was not far from the normal for the time of year, the greatest departures being in the districts bordering the North Sea. Rainfall was below the normal in all the English and Irish districts, and at a large number of stations the week was rainless. The heaviest falls reported were 13 mm. at Ford (Argyll), 12 mm. at Fort William on the 19th, 10 mm. at Blacksod Point on the 16th. Bright sunshine was below the normal in Ireland and in the Hebrides, elsewhere it was above, the excess ranging from 0·7 hr. in Scotland W. to 4·2 hr. in England N.W. On the 21st Durham, Yarmouth and Aberystwyth recorded 15 hours, about 95 per cent. of the possible, while considerably more than 14 hours were registered at a large number of stations either on or about the same date. The Aurora Borealis was witnessed at Aberdeen, Durham, Yarmouth and Greenwich on the night of the 15th-16th and also at Aberdeen on the 19th. Solar halos were observed at Oxford on the 16th, at Dublin on the 17th, at Hodsock Priory, Worksop and at Birmingham on the 19th and at Tenbury and Ross-on-Wye on the 17th and 19th. Lunar halos were seen at Oxford on the 15th and at Birmingham on the 17th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 26.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	24	5·1	23	4·0	11	3·2	7	2·8	18	4·2	2	2·7	20	3·0	19	3·1
North	2	8·2	0	0·0	15	3·5	15	1·9	7	1·6	22	4·1	1	1·0	8	1·3
West	19	4·5	26	4·7	10	2·7	12	1·4	26	4·1	16	3·3	22	5·0	22	3·5
East	5	2·1	0	0·0	15	3·2	8	2·5	0	0·0	6	1·9	4	1·4	4	0·6
Calm	2	—	0	—	1	—	5	—	2	—	0	—	1	—	1	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *see below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ..	Heavy	Light	Very Light	Nought	Very Light	Very Light	Moderate	Light	Very Light	Moderate	Light	Light
Sunshine ..	Moderate	Abundant	Abundant	Very Abundant	Very Abundant	Abundant	Moderate	Very Abuudant	Abundant	Scanty	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. *12* weeks from February 27th, 1921. Warmth ..	7, 4, 1	7, 3, 2	9, 3, 0	9, 3, 0	8, 4, 0	9, 2, 1	8, 3, 1	8, 4, 0	7, 5, 0	8, 3, 1	7, 4, 1	8, 3, 1
Rainfall ..	7, 3, 2	3, 4, 5	1, 3, 8	1, 5, 6	1, 7, 4	1, 6, 5	2, 8, 2	2, 6, 4	2, 6, 4	1, 9, 2	1, 7, 4	1, 6, 5
Sunshine ..	4, 5, 3	5, 6, 1	3, 9, 0	8, 3, 1	5, 6, 1	7, 4, 1	3, 5, 4	6, 4, 2	6, 4, 2	4, 3, 5	4, 4, 4	5, 6, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0 SCOTLAND, N.																							
t Lerwick	54	58	21st	37	21st	51·4	42·3	46·6	+2·4	7	0·83	21	+ 9										
p Deerness, Orkney	165	58	21st	39	21st	54·3	42·7	48·2	+2·9	6	0·40	10	- 2	Deerness	6·8	+0·7	40	—	—	—	—	—	—
a, Islands *t* Stornoway	51	55	15, 21	42	18, 20	53·1	44·9	48·8	+2·4	7	1·10	28	+13	Stornoway	4·8	- 1·7	29	—	—	—	—	—	—
t Castlebay, Barra I.	37	53	21st	44	17th	50·9	46·9	48·8	—	7	0·46	12	—	Castlebay	4·8	—	29	—	—	—	—	—	—
t Wick	81	64	21st	40	151821	56·0	41·9	48·5	+2·5	5	0·38	10	- 2										
a Strathpeffer	125	65	21st	38	18th	57·7	42·1	49·4	+1·4	3	0·24	6	- 5										
b, Main- *p* Glencarron	500	56	21st	41	15, 18	52·4	42·6	47·2	+0·4	6	1·52	39	+13										
land. *a* Fort Augustus	68	58	21st	40	21st	54·9	42·6	48·4	+0·8	5	0·92	23	+ 9										
p Fort William	171	59	20th	41	18th	53·3	43·6	49·1	+0·2	7	1·88	48	+26										
1. SCOTLAND, E.																							
t Nairn	82	68	21st	38	15th	59·6	41·7	50·1	+2·0	4	0·22	6	- 5	Nairn	6·8		41						
p Gordon Castle	101	71	21st	39	15th	60·9	43·0	51·4	+3·1	3	0·09	2	-11	Gordon Castle	7·1	—	43	—	—	—	—	—	—
t Aberdeen	46	68	21st	40	18th	61·0	44·0	52·0	+4·4	2	0·23	6	- 8	Aberdeen	8·5	+2.3	51	1	27	—	—	47·8	+1·9
a Balmoral	930	65	21st	31	15th	54·7	39·1	46·4	+0·9	5	0·11	3	-11	Balmoral	—	—	—	3	26	—	—	—	—
p Crieff	432	62	20th	37	15, 18	56·4	40·3	47·9	- 1·4	4	0·11	3	-12	Crathes	7·4	+1.8	45	1	30	50·1	+0·5	45·9	—0·4
a Dundee	244	66	21st	36	15th	61·0	41·0	50·4	+1·7	2	0·18	5	-8	Dundee	8·0	—	49	1	30	52·3	—	—	—
t Leith	30	68	21st	42	151721	60·4	44·0	51·7	+2·3	2	0·07	2	- 9	Leith	—	—	—	0	36	—	—	—	—
p Edinburgh	441	66	21st	42	171821	59·7	43·7	51·2	+3·3	2	0·02	1	-10	Edinburgh	8.4	+2.7	51	0	35	—	—	—	—
a West Linton	769	63	21st	31	21st	56·7	35·4	45·4	- 0·5	5	0·31	8	—	West Linton	—	—	—	4	28	—	—	—	—
p Marchmont	498	—	—	37	18th	—	39·3	—	—	4	0·22	6	- 9	Marchmont	9.0	+3.3	55	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	57	18th	37	21st	54·9	42·3	48·2	—	7	1·19	30	—	Ford (Argyll)	—	—	—	0	35	52·3	—	48·4	—
t Renfrew	49	62	21st	36	15th	57·1	42·4	49·3	—	4	0·07	2	—	Renfrew	6.2	—	38	4	26	—	—	—	—
p Rothesay	200	58	21st	40	18th	54·6	42·9	48·4	- 1·7	7	0·71	18	+ 1	Rothesay	5.2	—	32	0	34	52·7	—	50·0	+1·9
a Kilmarnock	90	65	21st	39	15th	59·0	43·0	50·5	+1·0	5	0·31	8	- 6	Kilmarnock	6·3	—	39	—	—	52·6	—	48·7	—
a Colmonell	170	63	21st	35	18th	57·9	41·6	49·3	- 0·3	5	0·26	7	- 8	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	60	21st	36	18th	56·6	41·1	48·4	- 2·1	4	0·37	9	- 6	Dumfries	6·4	—	40	1	28	52·2	- 0·6	49·2	—0·4
t Eskdalemuir	794	58	21st	30	21st	54·9	36·1	44·9	—	4	0·67	17	—	Eskdalemuir	6·1	—	38	4	26	—	—	—	—
b, I. OF MAN *h* Douglas	284	58	20, 21	40	16th	55·7	42·7	48·8	- 1·1	3	0·07	2	-12	Douglas	8·3	+0·7	52	0	36	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	69	21st	38	21st	62·8	43·3	52·5	+4·2	1	0·03	1	-12	Cockle Park	9·3	+3·4	58	3	28	52·3	+2·1	49·6	+2·3
t Tynemouth	118	64	16th	43	16, 21	61·3	45·3	52·8	+4·7	2	0·13	3	- 8										
p Durham	336	63	152021	35	21st	61·1	40·7	50·3	+1·7	1	0·02	1	-10	Durham	10·3	+4·9	64	4	24	—	—	—	—
a North ... *p* Rounton	249	70	21st	35	21st	63·7	40·3	51·3	+3·0	1	0·06	2	-10	Rounton	—	—	—	5	27	53·8	—	—	—
a West Witton	605	68	21st	37	16th	61·3	41·0	50·5	—	1	0·03	1	—	West Witton	—	—	—	0	31	53·4	—	47·2	—
h Scarborough	118	63	19th	44	16, 18	59·7	45·6	52·2	+3·0	2	0·05	1	-10	Scarborough †	8.5	+2·2	53	—	—	—	—	53·3	—
p York	56	69	21st	39	16th	63·7	43·4	52·9	+1·9	1	0·01	0·3	-11	York	8·4	+2·9	53	—	—	54·1	+2.6	50·3	+2.0
t Spurn Head	26	68	19th	44	16th	60·6	48·0	53·9	+4·2	0	0·00	0	- 9										
b, South .. *a* Lincoln	58	71	21st	39	16, 18	66·4	44·3	54·7	+3·0	0	0·00	0	-11	Lincoln	—	—	—	0	35	54·8	+2.0	50·8	+2·2
a Fulbeck	180	68	21st	34	18th	65·4	41·4	52·7	+1·5	0	0·00	0·1	-11	Fulbeck	9·4	+2·9	59	0	31	—	—	—	—
3. ENGLAND, E.														Skegness		—	—	—	—	—	—	—	—
p Cromer	196	69	19th	40	19th	61·4	44·3	52·3	+1·8	0	0·00	0	- 9	Cromer	10·2	+3·6	64	—	—	—	—	—	—
a Little Massingham	277	68	19th	39	21st	62·9	43·0	52·4	+1·3	0	0·00	0	-12	Lit Massingham	10·2	+3.7	64	—	—	—	—	—	—
t Yarmouth	13	62	151720	42	16, 17	60·6	45·7	52·7	+2·5	0	0·00	0	-10	Yarmouth	11·8	—	75	0	36	57·0	+1·3	53.1	+0·9
a Norwich	93	69	21st	38	16th	65·3	43·6	53·8	+2·0	0	0·00	0	-11	Norwich	9.9	—	63	0	34	59·2	—	—	—
a Geldeston	37	69	17, 19	35	19th	65·6	40·3	52·2	+1·2	0	0·00	0	-10	Geldeston	10·3	+3·3	65	—	—	—	—	—	—
p Cambridge	41	70	19, 21	35	16th	66·6	42·6	53·9	+1·7	0	0·00	0	-10	Cambridge	10·0	+3·5	64	1	30	57·6	+2·9	52·8	+1·7
t Clacton-on-Sea	54	64	17, 20	43	16th	61·4	46·9	53·7	+2·6	1	0·01	0·3	- 8	Clacton-on-Sea	10·8	+3.3	69	0	40	56·4	+2·7	53·3	+1·8
a Rothamsted	420	67	21st	38	17th	62·6	43·3	52·4	+1·2	1	0·02	1	-10	Rothamsted	9·3	+2.9	59	3	27	55·0	—	—	—
p Tottenham	51	69	151921	41	16th	67·4	48·1	57·2	—	0	0·00	0	—	Tottenham	9·9	—	64	0	41	—	—	53·6	+2·1
4. MIDLAND COUNTIES.														Southend	10·5	—	67	0	39	58·4	+3·1		
h Harrogate	479	69	21st	38	19th	61·4	41·3	50·7	+1·6	1	0·06	2	-11	Harrogate	10·7	+4·8	67	1	30	52·2	+2·7	50·3	+2·5
a North .. *p* Sheffield	429	69	21st	40	16th	61·7	43·9	52·3	—	1	0·01	0·2	—	Sheffield	8·8	+3·2	55	0	32	53·1	+2·3	49·4	+2·6
h Buxton	987	65	21st	33	16th	58·1	39·6	48·3	+0·1	2	0·10	3	-16	Buxton	8·9	—	56	0	32	53·6	+3·2	47·9	+1.6
a Worksop	56	70	21st	33	18th	65·4	39·1	51·5	+0·4	0	0·00	0	-12	Worksop	8.6	+3·1	54	3	28	55·8	—	51·8	—
t Nottingham	82	70	21st	37	16, 18	63·9	42·3	52·5	+1·0	0	0·00	0	-12	Nottingham	9·2	+3·3	58	1	29	57·0	+4·0	51.3	+2·7
b, East .. *p* Birmingham, Edgbsn.	525	68	21st	40	16, 18	63·3	43·3	52·7	+1·2	0	0·00	0	-13	Birmingham	8·8	+3·8	56	5	23	51·6	+2·4	48·1	+1·3
a Raunds	203	69	19, 21	34	18th	65·3	41·3	52·6	+0·6	1	0·01	0·3	-14	Raunds	10·3	—	65	0	31	57·4	—	—	—
p Oxford	208	69	21st	41	161821	64·3	44·9	54·0	+1·5	2	0·05	1	-11	Oxford	9·4	+3·0	60	0	33	—	—	—	—
a Cheadle (N. Staffs.)	646	65	16, 21	38	16, 18	61·3	41·4	50·8	+0·7	2	0·14	4	-10	Malvern	10·1	—	64	0	36	56·6	—	52·3	—
c, West .. *p* Tenbury	313	68	21st	31	16th	63·9	36·7	49·5	- 1·5	0	0·00	0	-10	Cheadle	—	—	—	0	34	—	—	—	—
a Hereford	291	68	21st	34	16, 18	64·1	38·7	50·6	- 1·4	0	0·00	0	-10	Tenbury	—	—	—	3	27	55·2	—	—	—
a Clifton	225	70	21st	41	18, 19, 20, 21	64·3	43·6	53·3	- 0·5	1	0·02	0·4	-13	Ross on Wye	10·9	—	69	3	28	57·5	—	52·7	—
5. ENGLAND, S.E.														Clifton	10·8	—	70	0	40	—	—	—	—
a Marlborough	424	69	21st	33	21st	63·9	39·7	51·1	+0·3	1	0·06	1	-11	Worthing	10·6	+2·9	68	0	40	58·7	+2·8	53·3	+1·6
a Porton	340	69	21st	34	17th	64·8	41·1	52·2	—	0	0·00	0	—	Marlborough	8·3	+2.2	53	0	31	55·6	—	51·2	—
a Wisley, Surrey	150	70	21st	38	17, 21	66·6	42·4	53·8	+1·6	0	0·00	0	- 9	Porton	—	—	—	1	28	57·6	—	—	—
h Tunbridge Wells	354	68	17, 20	40	16, 17	64·7	43·6	53·5	+1·6	0	0·00	0	-12	Wisley, Surrey	9·3	+2·5	60	4	27	56·3	+1·9	51·8	+1·1
h Margate	51	65	20th	47	19, 20	60·9	49·0	54·6	+2·3	1	0·01	0·2	-10	Tunbridge Wells	9·4	+2·4	61	0	33	56·6	+1·4	52·6	—
t Dungeness	21	62	21st	43	16th	60·4	47·3	53·5	+1·8	1	0·04	1	- 7	Margate	10·0	+3·2	64	0	40	59.7	+6·2	55·0	+4·6
h St. Leonards	178	65	17th	44	16th	62·3	47·6	54·5	+2·2	1	0·11	3	- 7	Folkestone	10·0	—	64	—	—	—	—	50·3	—
p Southampton	64	68	20th	41	19th	65·1	46·3	55·1	+1·1	0	0·00	0·1	-12	St. Leonards	9·8	+2·1	63	0	39	58·0	—	52·4	—
a Ventnor	59	65	21st	47	17, 19	63·3	48·7	55·6	+2·4	0	0·00	0	-10	Southampton	8·4	+1·3	54	0	32	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	70	21st	42	17th	65·4	46·7	55·5	+2·5	1	0·01	0·3	-11	Ventnor	9·6	+2·2	62	—	—	—	—	—	—
a Westminster	27	69	192021	42	17th	67·0	48·3	57·1	+3·4	0	0·00	0	-10	Richmond	9·5	+2·9	61	0	32	57·0	+2·8	51·8	+1·6
ag Greenwich	149	72	19th	38	17th	67·7	43·7	55·0	+1·5	0	0·00	0	-11	Westminster	9·8	+4·1	63	0	35	—	—	—	—
a Hampstead	450	67	19th	44	16, 18	64·1	46·7	54·9	—	1	0·01	0·3	--	Greenwich	9·8	+3·2	63	4	28	—	—	—	—
ag Camden Square	110	73	16, 21	41	16th	70·4	46·7	57·8	+3·2	0	0·00	0	-11	Hampstead	10·0	—	64	0	33	—	—	—	—
7. *a*, ENGLAND, N.W.														Camden Square	—	—	—	0	39	56·9	—	50·7	—
p Aspatria (Mealsgate)	487	62	21st	41	17, 18	55·6	43·0	48·9	- 0·8	2	0·27	7	- 7	Aspatria	9·5	+3·1	59	0	38	49·6	—2·4	48·9	+0·9
p Newton Rigg	559	—	—	—	—	—	—	—	—					Newton Rigg				—	—	—	—	—	—
p Stonyhurst	375	65	21st	40	16, 18	58·6	43·4	50.5	+0·2	2	0·33	9	- 7	Stonyhurst	9·9	+3·6	62	0	34	—	—	—	—
h Blackpool	66	62	21st	39	16th	57·7	44·4	50.7	+0·2	2	0·25	6	- 6	Blackpool	11·0	+3·5	69	0	35	53·9	—	50·0	—
h Southport	37	62	21st	39	16th	58·1	44·6	51.0	0·0	2	0·15	4	- 8	Southport	11·6	+4·3	73	0	32	57·3	+2·5	53·8	+2·4
														Hoylake	11·9	+5·2	75	—	—	—	—	—	—
t Liverpool (Bidston)	188	63	21st	43	16th	58·0	45·4	51·3	- 0·3	2	0·03	1	-10	Liverpool	11·3	—	71	0	35	—	—	—	—
a Hawarden Bridge	22	67	21st	36	16th	60·3	43·3	51·3	- 0·8	1	0·01	0·3	-10	Manchester City	8·7	+3·3	55	0	38	55·8	+3·9	51·8	+2·7
p Manchester (Whit. Pk.)	125	72	21st	40	161821	62·7	43·1	52·3	- 0·1	2	0·09	2	-10	„ Whit. Pk.	8·6	+3·3	54	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	62	21st	41	16th	58·1	44·3	50·8	- 0·8	2	0·12	3	- 8	Llandudno	11·1	+3·8	70	—	—	—	—	—	—
t Holyhead	15	60	20, 21	44	16, 18	56·7	45·9	51·0	+0·3	3	0·17	4	- 7	Holyhead	10·5	—	66	1	30	—	—	—	—
a Aberdovey	60	64	21st	44	16, 18	59·4	46·7	52·7	—	2	0·18	5	—	Aberdovey	11·0	+4·1	69	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
h Aberystwyth	16	58	16, 21	40	16th	56·4	43·1	49·4	—	2	0·08	2	—	Aberystwyth	11·8	+5·2	75	—	—	—	—	—	—
a Rhayader	757	67	21st	30	16th	58·3	38·3	47·7	—	1	0·01	0·3	—	Rhayader ..	8·8	—	55	5	19	—	—	—	—
t Pembroke	149	59	21st	44	18, 21	55·6	46·7	50·9	+0·2	2	0·05	1	−10	Pembroke ..	10·7	+3·5	69	—	—	—	—	—	—
p Cardiff	202	67	21st	41	16, 18, 19, 21	63·6	43·3	52·8	+0·7	1	0·02	1	−13	Cardiff ..	11·2	—	72	3	26	57·3	+2·9	52·0	+1·8
b, ENGLAND, S.W.																							
h Bath	66	69	16th	38	16, 21	64·9	43·4	53·5	+0·8	1	0·01	0·3	−10	Bath	8·7	+1·6	56	—	—	57·5	+2·6	53·5	+2·1
a Shaftesbury	722	65	21st	39	18th	61·0	43·7	51·8	+0·6	1	0·03	1	−11	Shaftesbury ..	—	—	—	—	—	56·6	—	51·9	—
a Arlington	613	66	21st	36	19th	60·0	41·1	50·0	−0·7	1	0·07	2	−14										
h Newquay	190	64	21st	39	19th	57·4	44·9	50·8	−1·3	1	0·02	1	−8	Newquay ..	9·4	+2·0	61	—	—	55·4	—	52·1	—
a Cullompton	202	70	21st	35	18th	66·0	40·4	52·4	−0·2	1	0·01	0·3	−12	Cullompton ..	9·1	+2·4	59	5	26	56·7	—	—	—
t Portland Bill	19	59	16, 18, 19, 20	50	16, 17, 18, 19, 20, 21	58·3	50·9	54·4	+2·5	1	0·08	2	−7	Weymouth ..	11·0	—	71	—	—	—	—	—	—
p Plymouth	116	66	21st	42	17, 18, 19	61·9	44·7	52·8	−0·4	0	0·00	0	−11	Plymouth ..	10·6	+3·3	68	0	36	57·4	+1·5	53·1	—
a Falmouth	167	63	21st	41	19th	59·7	44·6	51·7	−0·6	1	0·01	0·2	−12	Falmouth ..	8·2	+0·5	53	0	32	57·4	—	55·8	—
9. IRELAND, N.														Malin Head ..	—	—	—	—	—	—	—	—	—
t Malin Head	208																						
t Blacksod Point ..	10	57	21st	40	17th	54·6	45·9	50·0	−0·6	5	0·87	22	+7	Mallarany ..	—	—	—	—	—	—	—	—	—
a, West .. *a* Mallarany	120																						
p Markree Castle..	122	64	21st	32	18th	58·3	40·4	48·8	−1·0	5	0·20	5	−10	Markree Castle	4·0	−2·1	25	3	25	53·3	—0·6	50·0	+0·5
p Armagh	204	67	21st	37	18th	59·1	42·3	50·2	−0·0	4	0·19	5	−8	Armagh ..	4·8	−1·3	30	0	33	52·8	—0·3	50·1	+0·6
b, East .. *t* Donaghadee	35	65	21st	38	18th	59·0	42·6	50·3	+0·5	4	0·17	4	−8										
10. IRELAND, S.																							
p Dublin, City	54	68	21st	42	17th	60·9	46·1	53·1	+0·7	3	0·11	3	−8	Trinity Coll.	6·0	—	38	0	38	54·3	+1·1	51·7	+1·3
t Birr Castle	175	65	21st	38	15th	58·6	43·3	50·5	−0·4	1	0·08	2	−10	Phœnix Park	7·4	+0·4	46	0	33	—	—	—	—
a Kilkenny	195	66	21st	33	18th	60·3	39·7	49·4	−1·0	3	0·02	1	−11	Dublin City ..	—	—	—	0	36	—	—	—	—
a Waterford	137	63	15, 19, 21	37	18th	59·7	42·4	50·5	−1·6	2	0·08	2	−11	Birr Castle ..	5·4	−0·8	34	3	26	—	—	—	—
p Seskin, Carrick-on-Suir	542	65	21st	37	17, 19	59·9	39·6	49·1	—	3	0·07	2	—	Seskin ..	7·0	—	44	2	25	—	—	—	—
a Cahir	199	65	21st	34	18th	60·0	40·1	49·5	−1·8	3	0·17	4	—										
a Foynes	50	65	21st	42	17th	58·9	45·7	51·9	−0·2	5	0·13	3	−10										
t Cahirciveen (Val. Obs.)	30	59	21st	44	18th	56·1	47·6	51·6	−0·5	5	0·30	8	−10	Cahirciveen ..	4·2	−2·7	27	0	39	—	—	—	—
a Killarney	174	67	21st	40	15th	58·9	45·4	52·2	+0·2	4	0·07	2	−15	Ballinacurra	5·6	−1·4	36	—	—	—	—	—	—
t Roche's Point	32	60	15, 19	40	18th	57·6	44·6	50·7	−1·1	4	0·09	2	−11										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	63	21st	45	21st	58·6	47·4	52·7	+0·2	1	0·04	1	−8	Scilly ..	7·9	+0·6	51	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	69	21st	44	20, 21	62·6	47·3	54·5	+0·4	1	0·02	1	−9	St. Heliers ..	10·4	+2·7	68	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	62	16, 18 21	47	18th	60·4	49·1	54·4	+0·3	1	0·08	2	−7	Guernsey† ..	10·2	+2·2	66	0	33	57·9	+1·8	54·7	+2·0

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 21st, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s.			
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	14, 16, 18, 20	11	91	58	8	0	160	13	14	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	126	42	0	0	220	5	16	13	13	16	12	20
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	20	137	11	0	300	8	20	10	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	100	68	0	0	190	11	19	17	17	19	17	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	85	54	29	0	210	10	19	15	16	19	15	20
Paisley	188	81	15	—	0	—	0	76	81	11	0	260	11	20	3	22	20	3	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	1	114	53	0	270	6	20	6	12	20	8	25
South Shields	72	61	12	—	0	—	0	23	97	48	0	280	9	20	8	15	20	6	15
Spurn Head	66	40	‡	—	Instrument dismounted.														
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	19	3	36	125	4	0	200	11	19	12	14	19	16	30
Shoeburyness	103	90	‡	—	0	—	0	8	80	80	0	190	7	19	16	9	16	13	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	8	82	68	10	230	7	19	18	11	19	13	5
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	18	123	27	0	—	7	21	24	11	21	23	55
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	32	131	5	0	210	9	19	16	11	19	15	20
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	6	104	58	0	200	7	19	16	12	19	12	0
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	20	4	58	96	10	0	280	12	20	2	—	—	—	—
Southport	80	62	48	—	0	20	7	72	86	3	0	260	12	20	7	15	20	3	25
Holyhead	60	40	‡	—	0	—	0	106	57	5	0	190	10	19	17	15	19	15	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	15, 19	13	94	50	3	8	350	12	15	15	16	15	11	5
Plymouth	185	88	2	—	0	—	0	37	117	14	0	—	9	15	12	14	15	9	45
Lyme Regis	556	61	‡	—	0	—	0	5	115	48	0	—	7	19	16	10	19	15	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	19, 20	2	65	89	12	0	250	12	19	18	—	—	—	—
Quilty	100	40	‡‡‡	—	0	—	0	135	33	0	0	—	10	19	13	15	16	16	25
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	—	0	62	96	10	0	210	8	16	11	12	17	13	10
Weaver Pt.	160	30	‡	—	0	—	0	50	112	6	0	—	10	19	12	14	19	11	40
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	—	0	25	93	50	0	330	8	15	3	11	15	4	50

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values. will be given in the Introduction to the Annual Volume.

TWENTIETH WEEK of 1921—May 15th to May 21st, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	65	37	85·4	79·1	82·1	+ 0·7	44	− 1	0	− 5	6	+ 2	0·98	25	+ 9	5·8	+ 0·1	35	1012
Eastern.																			
1. SCOTLAND, EAST ..	71	31	87·7	78·1	82·6	+ 0·7	55	+ 4	3	− 3	4	0	0·17	4	− 9	8·0	+ 2·1	49	1015
2. ENGLAND, N.E. ..	71	34	90·1	79·4	84·4	+ 1·8	74	+ 20	0	− 2	1	− 2	0·03	1	−10	9·2	+ 3·0	59	1019
3. ENGLAND, EAST ..	70	35	90·7	79·8	84·9	+ 1·2	80	+ 12	0	− 2	0	− 3	0·00	0	−11	10·3	+ 3·7	66	1020
4. MIDLAND COUNTIES	70	31	90 6	78·2	84·0	+ 0·3	72	+ 3	2	− 1	1	− 2	0·03	1	−12	9·6	+ 3·7	61	1020
5. ENGLAND, S.E. ..	70	33	90·6	80·3	85·2	+ 1·0	83	+ 7	0	− 1	1	− 2	0·02	1	−10	9·5	+ 2·5	61	1020
Western.																			
6. SCOTLAND, WEST ..	65	35	86·6	78·7	82·4	− 0·5	49	− 11	0	− 3	5	+ 1	0·43	11	− 6	7·2	+ 0·7	45	1017
7. ENGLAND, N.W. ..	72	36	87·7	79·7	83·5	+ 0·1	62	− 1	0	− 1	2	− 1	0·15	4	− 9	10·8	+ 4·2	67	1020
8. ENGLAND, S.W. ..	70	30	89·1	79·5	84·0	− 0·1	69	− 2	0	− 1	1	− 2	0·03	1	−11	9·7	+ 2·8	62	1021
9. IRELAND, NORTH ..	67	32	87·4	79·1	83·0	− 0·1	56	− 2	0	− 1	4	0	0·30	8	− 5	4·4	− 1·8	27	1017
10. IRELAND, SOUTH ..	68	33	88·0	79·5	83·5	− 0·5	62	− 7	0	− 1	3	0	0·12	3	−11	5·6	− 1·2	36	1021
11. ENGLISH CHANNEL..	69	44	88·8	81·8	85·2	+ 0·4	83	+ 4	0	0	1	− 2	0·05	1	− 9	9·5	+ 1·8	62	1021
MEAN: DISTRICTS 1-10	72	30	88·9	79·2	83·8	+ 0·4	66	+ 2	1	− 2	2	− 1	0·13	3	− 9	8·4	+ 2·0	53	1019

THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, February 27th to May 21st, 1921.

0. SCOTLAND, NORTH ..	73	16	83·3	76·2	79·6	+ 1·0	365	+ 87	166	− 83	54	− 1	11·76	300	+ 49	4·6	+ 0·5	33	1011
Eastern																			
1. SCOTLAND, EAST ..	72	8	84·1	75·6	79·7	+ 0·9	413	+ 80	213	− 65	44	− 5	4·78	121	− 33	5·3	+ 0·8	39	1013
2. ENGLAND, N.E. ..	75	24	85·5	77·1	81·1	+ 1·6	538	+175	99	− 99	38	− 6	3·09	79	− 43	5·4	+ 0·6	40	1016
3. ENGLAND, EAST ..	78	26	86·2	77·2	81·5	+ 1·4	607	+154	106	− 94	29	−12	2·67	69	− 47	6·2	+ 1·1	47	1018
4. MIDLAND COUNTIES	77	25	86·2	76·9	81·3	+ 1·3	586	+115	111	−108	39	− 1	3·56	90	− 39	5·2	+ 0·7	40	1018
5. ENGLAND, S.E. ..	73	21	86·4	77·6	81·8	+ 1·1	621	+134	85	− 62	36	− 4	3·23	83	− 44	6·2	+ 1·0	46	1018
Western.																			
6. SCOTLAND, WEST ..	73	19	84·1	77·0	80·4	+ 0·7	435	+ 63	110	− 75	56	+ 7	9·63	244	+ 22	4·6	0·0	34	1015
7. ENGLAND, N.W. ..	72	21	84·7	77·7	81·1	+ 1·1	484	+ 93	70	− 89	44	0	5·41	138	− 24	5·3	+ 0·6	40	1017
8. ENGLAND, S.W. ..	73	23	85·6	77·9	81·5	+ 0·8	547	+ 92	63	− 59	42	− 1	5·24	133	− 50	5·9	+ 0·8	44	1019
9. IRELAND, NORTH ..	69	23	84·7	77·5	81·6	+ 0·8	472	+ 71	73	− 73	53	− 1	6·03	153	− 32	4·5	+ 0·1	33	1014
10. IRELAND, SOUTH ..	74	23	85·5	78·1	81·6	+ 0·6	543	+ 55	51	− 57	49	+ 2	5·81	148	− 48	4·7	− 0·3	35	1018
11. ENGLISH CHANNEL..	69	33	85·9	79·9	82·8	+ 0·9	657	+109	10	− 25	36	− 9	3·52	89	− 59	6·7	+ 0·7	51	1019
MEAN: DISTRICTS 1-10..	78	8	85·3	77·3	81·1	+ 1·0	525	+103	98	− 78	43	− 2	4·95	126	− 34	5·3	+ 0·5	40	1017

THE YEAR. Aggregates, &c., for the Period of 20 Weeks, January 2nd to May 21st, 1921.

0. SCOTLAND, NORTH ..	73	16	82·2	75·7	78·9	+ 1·2	468	+137	348	−186	93	− 3	23·23	592	+ 90	3·2	+ 0·2	28	1011
Eastern.																			
1. SCOTLAND, EAST ..	72	8	82·6	75·0	78·7	+ 1·1	496	+107	451	−161	73	− 8	9·37	236	− 32	3·9	+ 0·5	34	1013
2. ENGLAND, N.E. ..	75	22	83·9	76·5	80·1	+ 1·8	687	+254	250	−221	62	−12	5·65	145	− 54	3·9	+ 0·2	34	1016
3. ENGLAND, EAST ..	78	23	84·5	76·7	80·5	+ 1·9	800	+271	227	−266	53	−19	4·78	123	− 72	4·6	+ 0·7	40	1018
4. MIDLAND COUNTIES	77	23	84·4	76·5	80·3	+ 1·7	744	+188	253	−268	62	− 9	6·12	156	− 67	3·7	+ 0·2	32	1018
5. ENGLAND, S.E. ..	73	21	84·7	77·3	80·9	+ 1·6	823	+236	176	−209	62	− 8	5·92	152	− 76	4·4	+ 0·4	38	1019
Western																			
6. SCOTLAND, WEST ..	73	19	82·9	76·6	79·7	+ 1·1	566	+118	240	−175	93	+ 6	18·42	467	+ 41	3·4	0·0	29	1015
7. ENGLAND, N.W. ..	72	20	83·5	77·3	80·3	+ 1·4	659	+188	161	−221	73	− 4	10·56	268	− 26	3·9	+ 0·4	34	1017
8. ENGLAND, S.W. ..	73	22	84·2	77·7	80·9	+ 1·3	762	+181	131	−170	70	− 7	9·34	237	−103	4·2	+ 0·3	37	1019
9. IRELAND, NORTH ..	69	23	83·7	77·4	80·5	+ 1·3	685	+176	148	−191	88	− 5	11·35	288	− 50	3·2	− 0·2	28	1015
10. IRELAND, SOUTH ..	74	23	84·5	77·9	81·1	+ 1·1	794	+146	117	−143	85	+ 1	11·51	293	− 75	3·4	− 0·4	30	1018
11. ENGLISH CHANNEL..	69	32	84·8	79·7	82·7	+ 1·6	954	+213	27	− 78	70	−13	6·65	168	−114	4·9	+ 0·3	42	1020
MEAN: DISTRICTS 1-10 ..	78	8	83·9	76·9	80·3	+ 1·4	702	+187	215	−203	72	− 6	9·30	237	− 51	3·9	+ 0·2	34	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

Meteorological Office, London: G. C. Simpson, F.R.S., Director. F. J. W. Whipple, M.A., Supt. Climatology Divn.
27th May, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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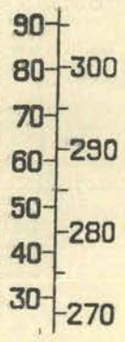
FORTY-FOURTH YEAR. Vol. XXXVIII (New Series) No. 21.

TWENTY-FIRST WEEK.
SUNDAY, MAY 22ND, TO SATURDAY, MAY 28TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

For the first half of the week anticyclonic conditions with fine warm weather prevailed over the United Kingdom generally. After Wednesday the weather was affected by depressions secondary to a Low over the North Sea, and showers of rain and hail were frequent. Thunderstorms occurred in many of the northern and eastern parts of the country, the heaviest being on 26th, on which date there was a fall of 25 mm. of rain in an hour at Sheringham, Norfolk, and Cromer had a fall of 20 mm. Mean temperature was above the normal in all districts with the exception of Ireland N. The mean daily range of temperature for the week was considerably more than 14 a at a number of stations. The highest of the maxima occurred generally on the 25th, when readings of 299 a were registered in many parts of England. After that date the day temperatures became much lower; the drop in the maximum temperature between the 25th and 28th was about 12 a in most districts, while at Gordon Castle and Whitworth Park, Manchester, it was as much as 16a. Minima of 270 a in the screen were registered in some parts of Scotland and at Porton (Salisbury Plain) on the 27th or 28th, while on the grass temperature went down to 268 a on the same dates. Rainfall was less than the normal in all districts with the exception of Scotland N. and E. and England E. and N.W., where it was either equal to or just above it. The largest amounts of bright sunshine were mostly recorded on the 22nd or 25th, when nearly 15 hours were registered at a large number of stations. The mean for the week was above the normal in all districts, the excess ranging from 3·6 hr. in England S.W. to 1·0 hr. in Ireland S. Solar halos were observed at Aberdeen on the 22nd and 26th and at Oxford on the 22nd and 24th.



Temperature Scales.

The mean temperature for the spring season (13 weeks from February 27th), as will be seen from the table on p. 84, has been above the normal in all parts of the British Isles. In each of the three Eastern districts of England, 10 weeks out of the 13 have been classed as unusually warm for the time of year. Rainfall for the same period was decidedly less than the normal except in Scotland N. and W., while sunshine was in excess of the normal in all districts except Ireland S.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	23	3·7	18	1·8	7	1·4	2	1·4	4	2·6	0	0·0	7	1·7	3	1·8
North	2	1·2	2	1·3	15	3·5	20	2·7	15	4·0	28	4·1	10	2·7	17	3·7
West	17	4·3	17	3·8	4	2·6	9	1·7	15	4·1	14	5·1	15	6·0	16	3·5
East	8	1·5	7	2·4	20	5·3	16	2·5	7	4·1	14	3·2	7	2·3	3	3·0
Calm	1	—	4	—	3	—	3	—	4	—	0	—	5	—	8	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual
	Rainfall ..	Moderate	Moderate	Light	Moderate	Very Light	Light	Light	Moderate	Light	Moderate	Light	Light
	Sunshine ..	Abundant	Very Abundant	Abundant	Abundant	Very Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 13 weeks from February 27th, 1921.	Warmth ..	7, 5, 1	7, 4, 2	10, 3, 0	10, 3, 0	9, 4, 0	10, 2, 1	8, 4, 1	8, 5, 0	8, 5, 0	8, 4, 1	7, 5, 1	9, 3, 1
	Rainfall ..	7 4, 2	3, 5, 5	1, 3, 9	1, 6, 6	1, 7, 5	1, 6, 6	2, 8 3	2, 7, 4	2, 6, 5	1,10, 2	1. 7, 5	1, 6, 6
	Sunshine ..	5, 5, 3	6, 6, 1	4, 9, 0	9, 3, 1	6, 6, 1	8, 4, 1	4, 5, 4	7, 4, 2	7, 4, 2	5, 3, 5	4, 5, 4	6, 6, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0°C.=32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
0 SCOTLAND, N.	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.									
t Lerwick	54	55	25th	38	28th	50·9	42·7	46·6	+0·9	3	0·15	4	- 6									
p Deerness, Orkney	165	59	24, 26	40	27th	56·3	43·4	49·5	+2·7	4	0·61	16	+ 7									
a, Islands *t* Stornoway	51	60	23rd	37	23rd	53·7	44·0	48·6	+0·5	5	0·87	22	+10	Deerness	8·3	+2·6	48	—	—	—	—	—	—
t Castlebay, Barra I.	37	53	23rd	43	28th	50·7	47·0	48·7	—	5	0·50	13	—	Stornoway	7·1	+0·9	41	—	—	—	—	—	—
														Castlebay	6·8	—	40	—	—	—	—	—	—
t Wick	81	65	25th	34	27rh	55·6	42·3	48·6	+1·0	3	0·17	4	- 6									
a Strathpeffer	125	69	23rd	32	27th	60.1	41·9	50 5	+0·7	3	0·41	10	+ 1									
b, Main- *p* Glencarron	500	66	23rd	38	232627	54·3	41·1	47·3	- 1·2	5	0·96	24	+ 3									
land. *a* Fort Augustus	68	63	23rd	31	28th	57·9	40·7	48·8	- 0·5	5	0·47	12	+ 1									
p Fort William	171	70	23rd	38	27th	59·7	43·0	50·9	+0·2	4	1·29	33	+15									
1. SCOTLAND, E.																						
t Nairn	82	70	23, 25	33	27th	61·9	42·7	51·7	+1·9	2	0·51	13	+ 3	Nairn	9·1	—	53	—	—	—	—	—	—
p Gordon Castle	101	75	25th	36	27th	62·7	44·9	53·3	+3·2	3	0·61	15	+ 4	Gordon Castle	9·3	—	55	—	—	—	—	—	—
t Aberdeen	46	74	25th	35	27th	60·4	44·4	51·9	+2·6	2	0·26	7	- 5	Aberdeen	9·8	+3·7	58	1	26	—	—	—	—
a Balmoral	930	70	25th	27	27th	60·9	38·4	49·0	+1·5	3	0·68	17	+ 5	Balmoral	—	—	—	3	22	—	—	48·9	+2·0
p Crieff	432	69	25th	34	27th	61·0	41·4	50·6	- 0·5	3	0·55	14	- 0	Crathes	8·9	+3·2	53	1	28	54·7	+3·4	47 3	—0·3
a Dundee	244	71	25th	33	27th	63·0	40·1	50·9	+0·3	3	0·46	12	+ 1	Dundee	9·8	—	58	2	25	54·7	—	—	—
t Leith	30	73	25th	37	27th	62·3	45·4	53·3	+2·1	3	0·53	13	+ 3	Leith	—	—	—	1	29	—	—	—	—
p Edinburgh	441	71	25th	37	27th	62·0	45·0	53·0	+3·4	3	0·57	15	+ 5	Edinburgh	9·2	+3·4	55	0	32	—	—	—	—
a West Linton	769	68	25th	27	27th	59·7	36·7	47·5	- 0·2	3	0 30	8	—	West Linton	—	—	—	2	23	—	—	—	—
a Marchmont	498	—	—	33	27th	—	39·7	—	—	3	0·48	12	- 1	Marchmont	9·1	+3·3	55	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	64	232425	35	27th	58·8	40·5	49·1	—	4	0·30	8	—	Ford (Argyll)	—	—	—	0	32	54·1	—	49·3	—
t Renfrew	49	67	24, 25	33	27, 28	60·9	41·3	50·5	—	2	0·30	8	—	Renfrew	7·9	—	47	3	25	—	—	—	—
b Rothesay	200	66	25th	38	28th	58·7	43·6	50·7	- 0·8	4	0·35	9	- 6	Rothesay	7·6	—	46	0	34	55·3	—	50·4	+1·1
a Kilmarnock	90	70	23, 25	35	27th	63·7	42·1	52·3	+1·4	2	0·62	16	+ 4	Kilmarnock	8·4	—	50	—	—	55·6	—	49·6	—
a Colmonell	170	71	24, 25	40	23, 27	62·1	44·0	52·5	+1·6	5	0·31	8	- 5	Colmonell	—	—	—	0	34	—	—	—	—
p Dumfries	160	69	25th	35	27, 28	62·0	42·9	51·9	- 0·1	3	0·29	7	- 6	Dumfries	9·3	—	57	2	26	55·1	+0·3	50·3	—1·0
t Eskdalemuir	794	68	25th	26	28th	60·4	36·0	47·5	—	3	0·19	5	—	Eskdalemuir	9·3	—	56	2	23	—	—	—	—
b, I. OF MAN *h* Douglas	284	68	25th	42	27th	59·6	46·6	52·7	+1·4	2	0·17	4	- 8	Douglas	8·1	+0·6	50	0	38	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	75	25th	35	23rd	62·8	41·0	51·3	+1·7	3	0·24	6	- 8	Cockle Park	9·3	+3·3	56	3	26	54 3	+2·4	51·0	+2·4
t Tynemouth	118	72	25th	40	27th	59·7	45·7	52·7	+2·3	3	0·09	2	-10										
p Durham	336	75	25th	35	28th	64·0	40·7	51·7	+1·7	3	0·65	17	+ 5	Durham	8·6	+3·0	52	3	26	—	—	—	—
a North *p* Rounton	249	75	25th	34	27th	63·7	41·6	52·0	+2·3	2	0·09	2	-11	Rounton	—	—	—	3	27	55·1	—	—	—
a West Witton	605	74	25th	32	28th	65·3	41·6	52·7	—	2	0·06	2	—	West Witton	—	—	—	1	28	55·2	—	48 6	—
h Scarborough	118	65	25th	45	242728	60 4	49·0	54·4	+3·8	2	0·35	9	- 3	Scarborough †	7·9	+1·7	48	—	—	—	—	54·5	—
p York	56	76	25th	39	28th	65·4	43·1	53·6	+1·2	1	0·09	2	-10	York	7·0	+1·3	43	—	—	55·5	+2.6	51·4	+1·9
t Spurn Head	26	63	25, 26	39	28th	59·6	47·0	52·9	+1·9	3	0·36	9	- 0										
b, South *a* Lincoln	58	76	25th	43	28th	69·3	46·1	57·0	+3·9	3	0·08	2	-10	Lincoln	—	—	—	0	40	56·9	+2.5	52 2	+2·3
a Fulbeck	180	74	25th	40	25th	66·9	44·0	54·8	+2·2	2	0·12	3	- 9	Fulbeck	9·1	+2·5	56	0	35	—	—	—	—
3. ENGLAND, E.														Skegness	—	—	—	—	—	—	—	—	—
p Cromer	196	74	26th	44	28th	61·9	46·9	54·0	+2·0	4	1·02	26	+17	Cromer	8·1	+1·5	50	—	—	—	—	—	—
a Little Massingham	277	76	26th	41	22, 23	63·6	44·3	53·4	+0·7	4	0·60	15	+ 3	Lit Massingham	9·1	+2·5	57	—	—	—	—	—	—
t Yarmouth	13	64	26th	47	28th	59·4	51·3	55·1	+3·2	3	0·28	7	- 3	Yarmouth	9·6	—	60	0	45	59·0	+1 4	54·7	+ 1·2
a Norwich	93	74	26th	43	22nd	66·3	48·9	57·1	+3·8	4	0·83	21	+10	Norwich	—	—	—	0	38	—	—	—	—
a Geldeston	37	74	26th	37	22nd	65·0	46·7	55·3	+2·7	4	0·46	12	+ 2	Geldeston	9·3	+2·2	58	—	—	—	—	—	—
p Cambridge	41	78	26th	37	22nd	69·6	45·1	56·6	+2·8	4	0·10	3	- 8	Cambridge	8·4	+1·7	52	0	31	59·4	+3·0	54·2	+1·7
t Clacton-on-Sea	54	70	24th	45	28th	64·3	49·9	56·7	+4·0	3	0·34	9	+ 1	Clacton-on-Sea	8·7	+1·1	54	0	43	58·2	+2·9	54·5	+1·7
a Rothamsted	420	73	24th	38	28th	67·0	45·4	55·6	+2·8	2	0·03	1	-11	Rothamsted	8·7	+2.2	54	2	28	57·5	—	—	—
p Tottenham	51	76	24, 25	43	28th	70·6	48·1	58·7	—	3	0·39	10	—	Tottenham	9·3	—	58	0	42	—	—	56·3	+3·3
4. MIDLAND COUNTIES.														Southend	9·0	—	57	0	43	60·4	+2 6		
a North *h* Harrogate	479	74	25th	36	28th	63·0	42·7	52·2	+1·8	1	0·05	1	-13	Harrogate	7·4	+1·7	46	2	30	53·7	+2·8	51·4	+2·3
p Sheffield	429								—				—	Sheffield	—	—	—			—	—	—	—
h Buxton	987	72	25th	37	28th	62·1	42·9	51·9	+2·4	1	0·16	4	-15	Buxton	7·3	—	45	0	32	55·4	+3·3	49·5	+2·3
a Worksop	56	78	25th	38	25th	68·0	43·9	55·2	+2 8	3	0·10	3	- 9	Worksop	8.7	+3·3	54	0	31	57·8	—	52·9	—
t Nottingham	82	77	25th	41	25, 28	66 1	45·0	54·9	+2·1	3	0·24	6	- 6	Nottingham	9·1	+3·4	57	0	35	59·1	+4·3	53·2	+3·1
b, East *p* Birmingham, Edgbsn.	525	78	25th	37	28th	65·7	45·0	54·7	+1·9	1	0·02	1	-12	Birmingham	9·8	+5·0	61	2	30	55·1	+4·7	49·2	+1·6
a Raunds	203	71	25th	38	22nd	65·3	43·3	53·6	+0·3	2	0·11	3	-11	Raunds	7·8	—	48	0	34	60·4	—	—	—
p Oxford	208	77	25th	38	28th	67·0	44·1	54·9	+1·1	3	0·15	4	- 8	Oxford	9·2	+3·0	57	0	33	—	—	—	—
														Malvern	9·8	—	61	0	37	59·2	—	54·3	—
a Cheadle (N. Staffs.)	646	75	25th	38	24, 28	63·1	44·6	53·3	+1·9	1	0·01	0·3	-14	Cheadle	—	—	—	0	34	—	—	—	—
c, West *p* Tenbury	313	77	25th	32	28th	67·4	40·0	52·9	+0·6	1	0·05	1	-10	Tenbury	—	—	—	2	28	57·6	—	—	—
a Hereford	291	74	25th	33	28th	66·9	40·4	52·9	- 0·4	0	0·00	0	-13	Ross on Wye	9·7	—	61	2	26	59·7	—	54·3	—
a Clifton	225	77	25, 26	42	23rd	70·4	49·7	59·4	+4·3	1	0·07	2	-11	Clifton	10·0	—	63	0	40	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	78	25th	32	28th	67·7	41·4	53·8	+1·5	3	0·17	4	- 9	Worthing	10·0	+2·4	63	0	41	60·2	+2·5	54·8	+1·9
a Porton	340	79	25th	27	28th	69·9	41·6	54·9	—	2	0·06	2	—	Marlborough	8·7	+2.7	55	1	29	58 8	—	52·5	—
a Wisley, Surrey	150	77	24th	37	22nd	70·4	45·1	57·0	+3·3	2	0·22	6	- 4	Porton	—	—	—	1	23	59·5	—	—	—
h Tunbridge Wells	354	80	25th	43	28th	69·9	47·1	57.8	+4·4	3	0·33	8	- 4	Wisley, Surrey	8·5	+1·8	53	3	27	58·0	+2·0	53·1	+1·0
h Margate	51	67	26th	48	28th	60·3	51·9	55·9	+2·1	2	0·16	4	- 6	Tunbridge Wells	8·3	+1·5	53	0	34	58·2	+0·5	53·9	—
														Margate	9·1	+2·5	57	0	43	62.0	+6·7	57·5	+5·7
t Dungeness	21	69	24th	47	28th	64·1	51.7	57·5	+4·3	1	0·01	0.3	- 8	Folkestone	9·8	—	62	—	—	—	—	50·8	—
h St. Leonards	178	72	24th	46	28th	66·9	50·4	58·2	+4·4	1	0·01	0·3	-10	St. Leonards	10·4	+2·8	66	0	42	60·1	—	53·8	—
p Southampton	64	78	25th	37	28th	70·1	46·4	57·5	+2·0	2	0·07	2	-10	Southampton	8·9	+1·9	56	1	29	—	—	—	—
a Ventnor	59	74	24th	43	28th	67·9	50·1	58·5	+3·9	2	0·07	2	- 9	Ventnor	9·0	+1·8	57	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	75	24, 25	43	28th	69·2	48·4	58·2	+3·7	3	0·22	6	- 5	Richmond	8·9	+2·3	56	0	33	59 0	+3 2	53·4	+2 0
a Westminster	27	77	24th	43	28th	70·0	49·7	59·6	+4·4	3	0·36	9	- 1	Westminster	9·0	+3·3	56	0	38	—	—	—	—
ag Greenwich	149	77	24, 25	44	22, 28	72·1	47·9	59·3	+4·3	3	0 31	8	- 3	Greenwich	9·0	+2·5	57	1	28	—	—	—	—
a Hampstead	450	74	26th	40	28th	67·1	46·9	56·4	—	3	0·41	10	—	Hampstead	9·0	—	57	0	33	—	—	—	—
ag Camden Square	110	82	25th	43	28th	77·1	48·6	62·0	+5·8	3	0·36	9	- 2	Camden Square	—	—	—	0	41	59·9	—	53·1	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	69	25th	36	27th	60·6	44·3	52·0	+0·9	2	0·11	3	- 9	Aspatria	9·3	+3·0	56	0	34	53·3	—0·2	50·1	+1·2
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	72	25th	38	28th	62·3	44·6	52.9	+1·3	2	0·49	13	- 1	Stonyhurst	7·6	+1·4	46	0	36	—	—	—	—
h Blackpool	66	68	25th	43	22, 28	60·4	45·9	52.7	+0·9	3	0·17	4	- 7	Blackpool	9·6	+2·3	59	0	37	55·0	—	51·2	—
h Southport	37	70	25th	42	24th	60·0	46·4	52·8	+0·5	3	0·36	9	- 1	Southport	8·9	+1·8	55	0	31	59·0	+2·4	55·4	+2·5
														Hoylake	8·6	+2·1	53	—	—	—	—	—	—
t Liverpool (Bidston)	188	72	25th	43	28th	59·4	47·1	52·9	0·0	3	0·81	21	+11	Liverpool	8·2	—	51	0	36	—	—	—	—
a Hawarden Bridge	22	74	25th	39	24th	61·6	45·3	53·0	- 0·4	3	0·45	11	+2	Manchester City	6·5	+1·2	40	0	37	57·5	+3·7	53·5	+2·9
p Manchester (Whit. Pk.)	125	79	25th	39	28th	64·6	45·3	54·4	+0 7	2	0·44	11	0	„ Whit. Pk.	6·1	+1·0	37	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	67	25th	43	28th	59·0	47·7	53·0	+0·1	4	0·77	20	+10	Llandudno	8·5	+1·5	53	—	—	—	—	—	—
t Holyhead	15	68	25th	45	28th	60·3	47·9	53·7	+1·9	4	0·33	8	- 2	Holyhead	10·1	—	62	0	33	—	—	—	—
a Aberdovey	60	71	22nd	44	28th	64·0	49·9	56·5	—	3	0·27	7	—	Aberdovey	11·3	+4·7	70	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for th periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	70	23rd	43	22nd	60·1	48·0	53·7	—	2	0·02	1	—	Aberystwyth	11·6	+5·2	72	—	—	—	—	—	—
a Rhayader	757	72	25th	35	27th	62·0	38·6	49·6	—	3	0·32	8	—	Rhayader ..	9·8	—	61	6	24	—	—	—	—
t Pembroke	149	69	25th	45	22, 28	61·9	48·9	55·0	+3·2	2	0·03	1	−10	Pembroke ..	12·6	+5·6	79	—	—	—	—	—	—
p Cardiff	202	78	25th	39	28th	67·4	46·4	56·3	+3·0	1	0·04	1	−13	Cardiff ..	11·1	—	70	1	28	60·4	+4·3	53·7	+2·2
b, ENGLAND, S.W.																							
h Bath	66	78	25th	35	28th	68·0	45·3	56·0	+2·2	1	0·26	7	− 4	Bath	8·8	+2·0	56	—	—	60·8	+4·1	55·4	+2·6
a Shaftesbury	722	76	25th	37	28th	66·4	45·1	55·1	+2·8	1	0·01	0·3	−12	Shaftesbury ..	—	—	—	—	—	59·1	—	53·6	—
a Arlington	613	75	25th	37	28th	63·9	45·5	54·2	+2·4	1	0·03	1	−16										
h Newquay	190	63	25th	44	28th	57·8	49·6	53·5	+0·4	3	0·28	7	− 3	Newquay ..	10·1	+3·0	64	—	—	58·7	—	53·0	—
a Cullompton	202	78	25th	33	28th	69·4	44·7	56·3	+2·6	2	0·07	2	−10	Cullompton ..	9·3	+2·9	59	1	26	61·1	—	—	—
t Portland Bill	19	68	23, 24, 25	49	28th	63·9	52·6	57·9	+4·9	1	0·02	0·4	− 9	Weymouth ..	9·5	—	60	—	—	—	—	—	—
p Plymouth	116	—	—	43	28th	—	49·4	—	—	3	0·13	3	− 9	Plymouth ..	9·1	+2·1	58	0	36	61·5	+4·3	54·4	—
a Falmouth	167	74	25th	42	28th	65·7	49·1	56·9	+3·5	4	0·18	5	− 8	Falmouth ..	10·0	+2·6	64	0	35	60·3	—	56·8	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	61	23rd	42	27, 28	55·6	46·4	50·7	− 1·2	3	0·29	7	− 7										
a Mallarany	120	63	23rd	40	27, 28	57·3	44·3	50·4	—	3	0·44	11	—	Mallarany ..	8·4	—	51	0	34	—	—	—	—
p Markree Castle..	122	68	23rd	33	23, 27	57·7	40·3	48·5	− 2·6	4	0·79	20	+6	Markree Castle	8·9	+2·8	55	3	24	55·1	−0·3	51·0	+0·6
b, East .. *p* Armagh.. ..	204	71	24th	37	28th	61·4	41·9	51·1	− 0·4	4	0·31	8	− 4	Armagh ..	8·6	+2·5	52	2	27	54·9	+0·3	51·0	+0·3
t Donaghadee	35	71	25th	38	27th	59·4	44·9	51·7	+0·6	4	0·30	8	− 3										
10. IRELAND, S.																							
p Dublin, City	54	69	25th	39	28th	61·3	46·7	53·6	0·0	4	0·29	7	− 4	Trinity Coll.	7·8	—	48	0	36	56·8	+2·1	52·8	+1·4
t Birr Castle	175	70	23, 24	37	27th	61·6	42·7	51·6	− 0·5	3	0·55	14	+2	Phœnix Park	9·1	+2·4	56	3	27	—	—	—	—
a Kilkenny	195	75	24th	37	27, 28	64·3	43·7	53·4	+0·9	3	0·15	4	− 8	Dublin City ..	—	—	—	0	35	—	—	—	—
a Waterford	137	72	24th	38	28th	65·0	46·3	55·1	+1·9	2	0·14	4	− 8	Birr Castle ..	7·5	+1·6	47	0	31	—	—	—	—
p Seskin, Carrick-on-Suir	542	75	24th	36	28th	64·0	43·6	53·2	—	3	0·14	4	—	Seskin ..	8·0	—	50	0	32	—	—	—	—
a Cahir	199	73	24th	37	28th	63·3	44·9	53·6	+1·1	4	0·26	7	—										
a Foynes	50	70	23rd	42	27, 28	61·9	45·7	53·3	+0·1	4	0·35	9	− 4										
t Cahirciveen (Val. Obs.)	30	63	23rd	43	28th	56·3	47·6	51·7	− 1·4	4	0·32	8	− 9	Cahirciveen ..	5·3	− 1·4	33	0	39	—	—	—	—
a Killarney	174	74	24th	40	28th	64·3	45·3	54·2	+1·1	4	0·69	18	+2	Ballinacurra	8·2	+1·4	51	—	—	—	—	—	—
t Roche's Point	32	65	24, 25	43	28th	59·7	47·9	53·5	+0·6	5	0·12	3	−10										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	64	24th	44	28th	59·9	49·6	54·4	+1·0	4	0·31	8	− 2	Scilly ..	10·0	+2·5	64	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	74	25th	44	28th	64·3	52·0	57·8	+2·8	2	0·03	1	−11	St. Heliers ..	9·0	+1·2	57	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	69	25th	46	28th	63·1	50·6	56·5	+1·7	5	0·14	4	− 7	Guernsey† ..	8·9	+0·8	57	0	31	59·4	+1·7	56·2	+2·2

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, May 28th, 1921.

District and Station.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s. or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	22	6	71	80	11	0	260	14	22	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	102	66	0	0	220	4	25	15	11	25	12	30
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	4	130	34	0	180	6	26	16	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	21	125	22	0	230	8	25	15	12	25	12	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	14	66	88	0	230	9	25	16	14	25	13	5
Paisley	188	81	15	—	0	—	0	11	123	34	0	280	6	26	16	15	26	13	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	0	68	100	0	240	5	22	1	8	22	0	40
South Shields	72	61	12	—	0	—	0	8	89	71	0	170	7	25	14	10	25	14	0
Spurn Head	66	40	‡	—	Instrument dismounted.														
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	0	23	4	66	81	17	0	100	11	23	8	16	23	8	55
Shoeburyness	103	90	‡‡	—	0	—	0	21	69	78	0	50	9	23	13	12	22	16	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	13	111	41	3	20	8	23	12	13	23	12	45
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	65	79	24	0	—	11	23	6	17	23	6	45
Larkhill, S'y Plain ..	513	63	43	—	0	23	2	81	83	0	2	360	12	23	11	14	23	10	55
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	19	122	27	0	40	7	23	12	13	23	12	15
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	26, 28	2	52	98	16	0	290	12	28	17	—	—	—	—
Southport	80	62	48	—	0	28	1	68	88	11	0	230	11	28	16	16	28	22	15
Holyhead	60	40	‡	—	0	—	0	76	68	24	0	270	10	28	9	14	28	21	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	13	1	117	36	0	14	350	11	26	13	16	26	12	30
Plymouth	185	88	2	—	0	—	0	12	109	47	0	—	7	26	15	13	26	14	35
Lyme Regis	556	61	‡	—	0	—	0	33	108	27	0	—	9	23	7	12	23	6	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	73	70	25	0	270	10	28	8	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	27	5	92	63	8	0	—	12	27	17	16	28	14	5
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	—	0	69	64	35	0	360	10	25	18	14	27	5	30
Weaver Pt.	160	30	‡‡‡‡	—	0	—	0	54	111	3	0	—	9	25	23	14	25	22	40
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	—	0	35	121	12	0	?	9	26	18	14	27	5	40

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIRST WEEK of 1921—May 22nd to May 28th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	70	31	86·3	78·7	82·4	0·0	48	− 3	0	− 3	4	0	0·62	16	+ 3	7.7	+ 2·3	45	1014
Eastern.																			
1. SCOTLAND, EAST ..	75	27	89·3	78·6	83·6	+ 0·7	63	+ 5	0	− 4	3	− 1	0·49	12	0	9·3	+ 3·4	55	1015
2. ENGLAND, N.E. ..	76	34	90·5	79·8	84·8	+ 1·4	79	+ 17	0	− 1	2	− 1	0·23	6	− 6	8·4	+ 2·1	51	1016
3. ENGLAND, EAST ..	78	37	91·5	81·6	86·2	+ 1·6	97	+ 20	0	− 1	3	0	0·45	11	0	8·9	+ 2·1	56	1015
4. MIDLAND COUNTIES	78	32	92·1	79·6	85·4	+ 1·0	87	+ 11	0	− 1	2	− 1	0·08	2	−11	9·1	+ 3·3	57	1016
5. ENGLAND, S.E. ..	80	27	92·8	81·6	86·8	+ 1·7	104	+ 20	0	0	2	− 1	0·13	3	− 8	9·2	+ 2·2	58	1015
estern																			
6. SCOTLAND, WEST ..	71	33	89·0	79·1	83·8	+ 0·1	66	0	0	− 1	3	0	0·33	9	− 5	8·0	+ 1·5	48	1016
7. ENGLAND, N.W. ..	79	36	89·1	80·8	84·7	+ 0·6	78	+ 7	0	0	3	0	0·46	12	+ 1	9·1	+ 2·7	56	1017
8. ENGLAND, S.W. ..	78	33	91·6	80·9	85·9	+ 1·2	93	+ 16	0	0	2	− 1	0·11	3	−10	10·2	+ 3·6	64	1016
9. IRELAND NORTH ..	71	33	88·1	79·2	83·4	− 0·4	60	− 7	0	− 1	4	0	0·45	11	− 1	8·7	+ 2·6	53	1018
10. IRELAND, SOUTH ..	75	37	89·7	80·6	84·8	+ 0·2	79	+ 2	0	0	4	+ 1	0·32	8	− 5	7·5	+ 1·0	47	1019
11. ENGLISH CHANNEL	74	44	89·9	83·4	86·4	+ 1·1	99	+ 14	0	0	3	0	0·16	4	− 7	9·3	+ 1·5	59	1017
MEAN: DISTRICTS 1-10	80	27	90·4	80·2	84·9	+ 0·8	81	+ 9	0	− 1	3	0	0·31	8	− 5	8·8	+ 2·5	55	1016

THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, February 27th to May 28th, 1921.

0. SCOTLAND, NORTH ..	73	16	83·6	76·4	79·8	+ 0·9	413	+ 84	166	− 86	58	− 1	12·38	316	+ 52	4·8	+ 0·6	35	1011
Eastern																			
1. SCOTLAND, EAST ..	75	8	84·5	75·8	80·0	+ 0·9	476	+ 85	213	− 69	47	− 6	5·27	133	− 33	5·6	+ 1·0	40	1013
2. ENGLAND, N.E. ..	76	24	85·9	77·3	81·4	+ 1·6	617	+192	99	−100	40	− 7	3·32	85	− 49	5·6	+ 0·7	41	1016
3. ENGLAND, EAST ..	78	26	86·6	77·5	81·9	+ 1·5	704	+174	106	− 95	32	−12	3·12	80	− 47	6·4	+ 1·2	47	1018
4. MIDLAND COUNTIES	78	25	86·7	77·1	81·6	+ 1·2	673	+126	111	−109	41	− 2	3·64	92	− 50	5·5	+ 0·9	41	1018
5. ENGLAND, S.E. ..	80	21	86·9	77·9	82·2	+ 1·2	725	+154	85	− 62	38	− 5	3·36	86	− 52	6·4	+ 1·1	47	1018
Western.																			
6. SCOTLAND, WEST ..	73	19	84·5	77·2	80·7	+ 0·7	501	+ 63	110	− 76	59	+ 7	9·96	253	+ 17	4·9	+ 0·1	36	1015
7. ENGLAND, N.W. ..	79	21	85·0	78·0	81·4	+ 1·1	562	+100	70	− 89	47	0	5·87	150	− 23	5·6	+ 0·8	41	1017
8. ENGLAND, S.W. ..	78	23	86·0	78·1	81·9	+ 0·9	640	+108	63	− 59	44	− 2	5·35	136	− 60	6·2	+ 1·0	46	1019
9. IRELAND, NORTH ..	71	23	84·9	77·7	81·1	+ 0·6	532	+ 64	73	− 74	57	− 1	6·48	164	− 33	4·8	+ 0·2	35	1015
10. IRELAND, SOUTH ..	75	23	85·9	78·3	81·9	+ 0·7	622	+ 57	51	− 57	53	+ 3	6·13	156	− 53	5·0	− 0·1	36	1018
11. ENGLISH CHANNEL..	74	33	86·2	80·2	83·1	+ 0·9	756	+123	10	− 25	39	− 9	3·68	93	− 66	7·0	+ 0·9	52	1019
MEAN: DISTRICTS 1-10..	80	8	85·7	77·5	81·4	+ 1·1	605	+112	98	− 79	46	− 3	5·25	134	− 38	5·6	+ 0·7	41	1017

THE YEAR. Aggregates, &c., for the Period of 21 Weeks, January 2nd to May 28th, 1921.

0. SCOTLAND, NORTH ..	73	16	82·4	75·9	79·1	+ 1·2	516	+134	348	−189	97	− 3	23·85	608	+ 93	3·4	+ 0·3	29	1011
Eastern.																			
1. SCOTLAND, EAST ..	75	8	83·0	75·2	78·9	+ 1·0	559	+112	451	−165	76	− 9	9·86	248	− 32	4·2	+ 0·6	36	1013
2. ENGLAND, N.E. ..	76	22	84·2	76·7	80·3	+ 1·7	766	+271	250	−222	64	−13	5·88	151	− 60	4·1	+ 0·3	35	1016
3. ENGLAND, EAST ..	78	23	84·8	76·9	80·8	+ 1·9	897	+291	227	−267	56	−19	5·23	134	− 72	4·8	+ 0·8	41	1018
4. MIDLAND COUNTIES	78	23	84·7	76·6	80·6	+ 1·7	831	+199	253	−269	64	−10	6·20	158	− 78	4·0	+ 0·4	34	1018
5. ENGLAND, S.E. ..	80	21	85·1	77·5	81·2	+ 1·6	927	+256	176	−209	64	− 9	6·05	155	− 84	4·7	+ 0·6	40	1019
Western.																			
6. SCOTLAND, WEST ..	73	19	83·2	76·8	79·9	+ 1·0	632	+118	240	−176	96	+ 6	18·75	476	+ 36	3·6	0·0	30	1015
7. ENGLAND, N.W. ..	79	20	83·8	77·5	80·6	+ 1·5	737	+195	161	−221	76	− 4	11·02	280	− 25	4·2	+ 0·5	35	1017
8. ENGLAND, S.W. ..	78	22	84·6	77·8	81·1	+ 1·3	855	+197	131	−170	72	− 8	9·45	240	−113	4·5	+ 0·5	38	1019
9. IRELAND, NORTH ..	71	23	83·9	77·5	80·6	+ 1·2	745	+169	148	−192	92	− 5	11·80	299	− 51	3·5	0·0	30	1015
10. IRELAND, SOUTH ..	75	23	84·7	78·0	81·3	+ 1·1	873	+148	117	−143	89	+ 2	11·83	301	− 80	3·6	− 0·3	31	1018
11. ENGLISH CHANNEL..	74	32	85·1	79·9	82·9	+ 1·6	1053	+227	27	− 78	73	−13	6·81	172	−121	5·1	+ 0·3	43	1020
MEAN: DISTRICTS 1-10 ..	80	8	84·2	77·1	80·5	+ 1·4	782	+196	215	−203	75	− 7	9·61	244	− 56	4·1	+ 0·3	35	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
3rd June, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

METEOROLOGICAL OFFICE LIBRARY 11 JUN 1921

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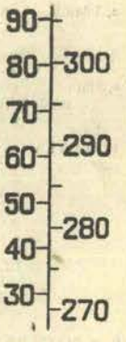
FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 22.

TWENTY-SECOND WEEK.
SUNDAY, MAY 29TH, TO SATURDAY, JUNE 4TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was changeable and unsettled, though barometric pressure was high, an anticyclone extending from the Azores to Scandinavia. Thunder and hail were reported at a few stations during the early part of the week, and on Friday the weather in the southern parts of England was influenced by a depression situated over France, when rain fell in many places. The night temperatures were below the normal in most districts, and the mean daily range for the week was as much as 12 a at several stations, mostly in the Midland counties. The highest maximum temperature occurred either on June 2nd or June 3rd, when readings of 296 a and above were registered in many parts of England. The lowest of the screen minima over England were recorded generally on May 29th when Marlborough and Porton (Salisbury Plain) registered readings of 273 a, while in places temperature on the grass fell as low as 269 a on the same date. Rainfall exceeded the normal in Scotland and England S.W., but elsewhere there was a deficiency. The heaviest falls were on the 30th in Scotland, when Rothesay had 34mm., Fort William 33mm., Colmonell 22mm. and Kilmarnock 19mm.; at Foynes (Limerick) there was a fall of 19mm. on the same date. The rainfall in the south of England at the end of the week was too small to be of much service to the parched country. Bright sunshine varied a good deal in different parts of the country, the mean departure from normal ranged from +3·8 hr. per day at Scarborough, +3·5 at Sheffield to —3·9 at Stornoway and —2·1 in Jersey. The largest amounts in a day, 15 hours or more, were recorded on June 2nd in the southern parts of England and on June 3rd in the northern parts of the country. Aurora was witnessed at Tenbury on May 31st and June 1st. Solar halos were observed in different parts of Great Britain on May 29th, 30th and 31st, and also on June 3rd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	4·2	16	3·6	9	5·7	12	5·0	9	6·7	8	4·9	13	4·9	8	4·2
North	9	3·9	3	1·1	17	6·3	14	3·8	17	3·1	19	4·4	8	2·4	13	3·8
West	12	4·4	15	4·1	13	5·5	10	2·8	20	3·5	11	5·9	13	5·6	18	4·5
East	15	3·9	5	2·9	15	4·4	12	1·8	5	3·0	16	3·1	7	1·4	3	0·7
Calm	1	—	8	—	0	—	2	—	1	—	0	—	5	—	7	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate
	Rainfall ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ..	Scanty	Abundant	Abundant	Moderate	Abundant	Moderate	—	Abundant	Moderate	Moderate	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *1* week from May 29th, 1921.	Warmth ..	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0
	Rainfall ..	0 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0
	Sunshine ..	0, 0, 1	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	0, 1, 0	—	1, 0, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0 SCOTLAND, N.																							
t Lerwick	54	56	4th	36	29th	51·7	44·1	47·6	+0·4	6	0·75	19	+ 8										
p Deerness, Orkney	165	58	2, 4	40	29th	55·0	45·1	49·7	+1·3	4	0·47	12	+ 1	Deerness	5·7	- 0·1	32	—	—	—	—	—	—
a, Islands *t* Stornoway	51	64	3rd	41	29, 1	55 3	45·3	50·0	+0·2	3	0·41	10	- 4	Stornoway	2·5	—3·9	14	—	—	—	—	—	—
t Castlebay, Barra I.	37	57	4th	43	29th	51·7	46·6	49·0	—	4	0·40	10	—	Castlebay	3·7	—	21	—	—	—	—	—	—
t Wick	81	61	2nd	38	1st	55·6	45·0	49·9	+0·7	4	0·35	9	- 2										
a Strathpeffer	125	70	3, 4	40	29th	60.7	45·0	52 3	+0·5	2	0·47	12	+ 2										
b, Main- *p* Glencarron	500	69	4th	37	29th	56·7	43·0	49·4	- 1 0	2	0·79	20	- 4										
land. *a* Fort Augustus	68	64	3rd	35	31st	57 3	43·6	50·0	- 1·2	5	1·02	26	+13										
p Fort William	171	78	4th	39	31st	62·6	44·4	52·9	+0·3	3	1·42	36	+15										
1. SCOTLAND, E.																							
t Nairn	82	66	2, 4	38	29th	61·1	43·4	51·6	+0·1	3	0·70	18	+ 7	Nairn	6·8	—	39	—	—	—	—	—	—
p Gordon Castle	101	67	2, 4	38	29th	61·7	43·3	51·9	+0·1	3	0·47	12	0	Gordon Castle	7·7	—	43	—	—	—	—	—	—
t Aberdeen	46	70	2nd	43	29, 4	61·6	45·6	53 0	+2·0	3	0·28	7	- 5	Aberdeen	9·4	+2·7	54	0	34	—	—	50·1	+2·1
a Balmoral	930	68	3, 4	37	29, 31	59·5	39·4	48·9	- 0·6	3	0·79	20	+ 7	Balmoral	—	—	—	0	34	—	—	—	—
p Crieff	432	70	4th	37	31st	61·7	41·6	51·0	- 2·0	2	0·86	22	+ 7	Crathes	8·7	+2·5	51	0	35	53·6	+0·9	48·5	-0·2
a Dundee	244	68	2, 4	38	2, 3	62·3	41·0	50·9	- 1·6	3	0·30	8	- 4	Dundee	9·2	—	54	0	31	55·7	—	—	—
t Leith	30	64	2nd	41	29th	60 0	45·7	52·4	- 0·6	3	0·14	4	- 7	Leith	—	—	—	0	41	—	—	—	—
p Edinburgh	441	66	2nd	40	29th	59 0	44·3	51·0	- 0·3	2	0·20	5	- 6	Edinburgh	8·2	+1·7	48	0	37	—	—	—	—
a West Linton	769	67	3rd	36	29, 3	59·3	38·4	48·1	- 1·4	3	0·54	14	—	West Linton	—	—	—	0	31	—	—	—	—
a Marchmont	498	—	—	40	29th	—	42·9	—	—	5	0·60	15	+ 1	Marchmont	6·7	+0·2	40	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	70	4th	37	1, 2	60·1	40·5	49·6	—	3	1·60	41	—	Ford (Argyll)	—	—	—	0	32	54·5	—	50·4	—
t Renfrew	49	72	3rd	40	1st	61·6	42·7	51·5	—	2	0·79	20	—	Renfrew	8·8	—	52	0	31	—	—	—	—
b Rothesay	200	72	4th	40	29th	59 9	43·9	51·3	- 1·8	3	1·71	44	+26	Rothesay	8·0	—	47	0	35	54·1	—	51·0	+0·6
a Kilmarnock	90	76	3rd	41	29, 1	64·4	43·7	53·3	+0 9	2	0·85	22	+ 8	Kilmarnock	9·1	—	54	—	—	55·1	—	50·6	—
a Colmonell	170	72	4th	42	29, 2	61·4	44·6	52·4	+0·2	2	1·07	27	+12	Colmonell	—	—	—	0	38	—	—	—	—
p Dumfries	160	74	3rd	39	29 30 2	61 3	42·7	51·4	- 2·3	3	0·80	20	+ 6	Dumfries	8·6	—	51	1	30	54·7	-1·4	51·1	-1·5
t Eskdalemuir	794	71	3rd	30	2nd	58·7	39·1	48·2	—	4	1·18	30	—	Eskdalemuir	6·2	—	37	2	25	—	—	—	—
b, I. OF MAN *h* Douglas	284	70	3rd	39	293031	59·1	42·9	50·4	- 2·3	2	0·65	17	+ 3	Douglas	7·8	+0·1	47	0	34	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	2, 3	40	29, 2, 3	61·4	42·1	51·1	- 0·9	3	0·33	9	- 3	Cockle Park	7·8	+1·8	46	1	30	53.3	-0·3	51·1	+1·3
t Tynemouth	118	62	30, 3	40	29th	59·6	45·4	52 0	+0 2	3	0·10	3	- 8										
p Durham	336	71	2nd	34	29, 30	61 6	39·1	49·6	- 2·9	3	0·17	4	- 6	Durham	9·1	+3·4	54	4	27	—	—	—	—
a North *p* Rounton	249	69	2nd	34	29th	61·1	42·1	50·9	- 1·2	3	0·30	8	- 4	Rounton	—	—	—	3	25	55·1	—	—	—
a West Witton	605	73	2nd	38	29th	62·9	42·4	51·9	—	3	0·45	11	—	West Witton	—	—	—	0	33	54·9	—	49·8	—
h Scarborough	118	66	31st	40	29th	60 4	46·3	52 9	- 0 1	1	0·17	4	- 6	Scarborough †	9·9	+3·8	60	—	—	—	—	55·5	—
p York	56	70	2nd	40	29th	64 4	44·6	53·8	- 1·1	4	0·39	10	- 1	York	9·2	+3·4	56	—	—	55·8	+1.7	52·5	+1·8
t Spurn Head	26	67	31st	43	29th	60 0	48·7	54 0	+0·6	3	0 20	5	- 3										
b, South *a* Lincoln	58,	67	31, 2, 3	42	29th	65·1	47·3	55·6	0·0	3	0·37	9	- 2	Lincoln	—	—	—	0	39	56·1	0.0	53·1	+2·1
a Fulbeck	180	68	2, 3	39	3rd	64·4	45·0	54·0	- 1·0	4	0·65	16	+ 5	Fulbeck	7·6	+0·9	46	0	34	—	—	—	—
														Skegness	8·7	+1·7	53	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	66	31st	37	29th	61 1	45·1	52·5	- 1 5	4	0 17	4	- 5	Cromer	7·6	+0·7	46	—	—	—	—	—	—
a Little Massingham	277	65	31st	36	29, 30	61·4	43 3	51·7	- 3 2	4	0 10	3	- 8	Lit Massingham	7·8	+0 9	47	—	—	—	—	—	—
t Yarmouth	13	69	31st	43	29th	61 1	50·4	55·4	+1 3	4	0·25	6	- 3	Yarmouth	9·3	—	57	0	36	57·9	-1·3	55·4	+0·7
a Norwich	93	68	31st	40	29th	63 6	48·9	55·7	+0 4	2	0·11	3	- 7	Norwich	7·8	—	48	0	37	60·2	—	—	—
a Geldeston	37	69	31st	40	29th	63 9	47·6	55 2	+0·5	3	0·28	7	- 2	Geldeston	7·6	+0·2	46	—	—	—	—	—	—
p Cambridge	41	68	31, 2, 3	38	29th	65·4	46·6	55·4	-0 5	3	0·30	8	- 2	Cambridge	7·7	+0·7	48	1	30	58·6	+0·7	55·2	+1·5
t Clacton-on-Sea	54	68	2nd	43	29th	63·6	50·0	56 3	+1·5	3	0 24	6	- 2	Clacton-on-Sea	7·3	+0·6	45	0	38	57·6	+0·7	55·1	+1·2
a Rothamsted	420	68	2nd	37	29th	63 0	46·0	53·9	- 1·0	4	0·26	7	- 4	Rothamsted	7·2	+0·3	44	1	27	57·3	—	—	—
p Tottenham	51	74	2nd	42	29th	66 6	49·6	57·5	—	2	0·26	7	—	Tottenham	7·2	—	45	0	40	—	—	57·9	+3·5
														Southend	7·1	—	44	0	39	59·6	0·0		
4. MIDLAND COUNTIES.																							
h Harrogate	479	68	2nd	37	29th	61 0	42·7	51·2	- 1·5	3	0·46	12	0	Harrogate	9·3	+2·9	56	0	33	53·5	+1·3	51·9	+1·7
a North *p* Sheffield	429	69	2nd	39	29th	63 3	44·6	53 3	—	4	0·54	14	—	Sheffield	9·4	+3·5	57	0	36	55·4	+1·8	51·8	+2·9
h Buxton	987	66	2, 3	36	29th	60 0	41·3	50·0	- 1·7	4	0·67	17	0	Buxton	8 8	—	53	0	32	54·8	+1·2	50·8	+2·6
a Worksop	56	72	2nd	37	2, 3	66 3	43·1	53 9	- 0·7	3	0·35	9	- 2	Worksop	8.6	+2·8	52	2	30	56·8	—	53·6	—
t Nottingham	82	69	2nd	38	2nd	62·0	46·7	53 8	- 1·3	4	0·75	19	+ 8	Nottingham	7·2	+1·0	44	0	36	57·4	+0·9	53·9	+2·5
b, East *p* Birmingham, Edgbsn.	525	68	2nd	40	29th	62 6	45·1	53 2	- 1·8	4	0 56	14	+ 2	Birmingham	7·0	+1·8	43	1	29	52·8	+1·1	50·0	+1·7
a Raunds	203	68	30th	36	29th	64·1	44·7	53·7	- 1·7	5	0·21	7	- 4	Raunds	6 7	—	41	0	31	58·5	—	—	—
p Oxford	208	71	2nd	41	29th	64 9	45 6	54 6	- 1·4	3	0 29	7	- 4	Oxford	7 0	+0·3	43	0	36	—	—	—	—
														Malvern	8·7	—	54	0	37	58·1	—	55·5	—
a Cheadle (N. Staffs.)	646	68	2, 3	39	29th	61·9	43 9	52·3	- 1·3	6	0·95	24	+11	Cheadle	—	—	—	0	39	—	—	—	—
c, West *p* Tenbury	313	72	3rd	35	2nd	64·7	42 0	52·6	- 1·9	4	0·23	6	- 4	Tenbury	—	—	—	1	30	56·1	—	—	—
a Hereford	291	70	2nd	38	1st	65 1	42·7	53 1	- 2·3	2	0·19	5	- 6	Ross on Wye	7·5	—	46	1	30	58·6	—	55·1	—
a Clifton	225	72	2nd	40	29th	65·9	46·1	55·3	- 1·9	4	0·30	8	- 5	Clifton	6·8	—	42	0	43	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	71	2nd	32	29th	63·6	42 6	52·4	- 1·9	4	0 61	15	+3	Worthing	7·9	-0·1	49	0	35	59·3	0·0	55·6	+1·5
a Porton	340	71	2nd	32	29th	64 8	43 9	53·6	—	3	0 33	8	—	Marlborough	5·6	-0 8	35	1	30	57·2	—	53·7	—
a Wisley, Surrey	150	74	2nd	36	29th	66 7	46 7	56 0	+0 3	3	0·19	5	- 4	Porton	—	—	—	1	24	58·0	—	—	—
h Tunbridge Wells	354	70	1, 2	36	29th	63·7	47·4	55 0	- 0·4	2	0 39	10	- 1	Wisley, Surrey	7·3	- 0·2	45	1	26	58·1	+0·6	54·1	+0·8
h Margate	51	66	31st	42	29th	59·9	50·1	54·7	- 1·1	2	0 26	7	- 2	Tunbridge Wells	6·5	- 0·8	41	1	27	57·5	- 2·1	54·8	—
														Margate	5·2	- 1·7	32	0	36	60.0	+2·9	59·0	+5·9
t Dungeness	21	65	2, 4	42	29th	61·3	50·4	55·5	+0·3	3	0·15	4	- 4	Folkestone	6·9	—	43	—	—	—	—	53·0	—
h St. Leonards	178	68	2, 4	42	29th	62 6	50·1	55·9	+0·2	4	0·39	10	+1	St. Leonards	6·5	- 1·5	41	0	34	59·9	—	55·1	—
p Southampton	64	74	2nd	37	29th	65 9	46·9	55·7	- 1·8	4	0·39	10	- 1	Southampton	6·6	- 0·8	41	1	29	—	—	—	—
a Ventnor	59	74	2nd	44	29th	65·3	50 7	57·5	+1·0	4	0·31	8	- 2	Ventnor	7·4	- 0·2	47	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	71	2nd	41	29th	65 6	49·2	56·8	+0·2	3	0·24	6	- 5	Richmond	7·3	+0·4	45	0	33	58·1	+0·9	54·1	+1·5
a Westminster	27	73	2nd	41	29th	67·0	50·6	58·2	+0·9	2	0·31	8	- 2	Westminster	6·5	+0·5	40	0	36	—	—	—	—
ag Greenwich	149	73	2nd	40	29th	68 3	48·4	57·7	+0 6	2	0 33	8	- 2	Greenwich	7·0	+0·2	44	1	27	—	—	—	—
a Hampstead	450	70	2nd	38	29th	63·7	47·1	54·8	—	3	0·33	8	--	Hampstead	7·5	—	46	0	31	—	—	—	—
ag Camden Square	110	77	2nd	41	29th	69 3	49·3	58·6	+0·3	2	0·33	8	- 3	Camden Square	—	—	—	0	38	58·4	—	54·1	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	71	3rd	39	29, 30	59·7	41·6	50·0	- 3·1	3	0·37	9	- 6	Aspatria	7·4	+0·6	44	0	37	53·8	-1·3	51·0	+1·2
p Newton Rigg	559	73	3rd	35	2nd	62·1	40·0	50·3	- 2·4	4	0 65	17	+3	Newton Rigg	7 6	+0 6	45	0	34	—	—	—	—
p Stonyhurst	375	70	3rd	38	29th	61 0	44 7	52 3	- 1·3	3	0 31	8	-10	Stonynurst	8 8	+2·4	53	0	37	—	—	—	—
h Blackpool	66	71	3rd	39	2nd	60·1	45·6	52·4	- 1·4	4	0 44	11	- 2	Blackpool	8·9	+1·2	54						
h Southport	37	73	3rd	41	29th	60 9	46·1	53 0	- 1·2	4	0·46	12	- 1	Southport	9 6	+2 1	58	0	32	59·1	+1·1	55·9	+1·7
														Hoylake	9·2	+2·3	56	—	—	—	—	—	—
t Liverpool (Bidston)	188	71	3rd	40	29th	60·1	46 0	52 6	- 2·2	3	0·82	8	- 4	Liverpool	8·3	—	50	0	34	—	—	—	—
a Hawarden Bridge	22	71	3rd	40	29th	62·0	46·0	53·4	- 1·9	3	0·19	5	- 6	Manchester City	8·1	+2·4	49	0	39	56·8	+1·3	54·7	+2·8
p Manchester (Whit. Pk.)	125	71	3rd	40	29th	63·6	45 6	54·0	- 1·7	3	0·39	10	- 4	„ Whit. Pk.	6·9	+1·4	42	--	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	65	3rd	38	2nd	58·6	45·3	51·5	- 3·3	4	0·13	3	- 9	Llandudno	9·6	+2·1	58	—	—	—	—	—	—
t Holyhead	15	65	3rd	40	2nd	58·0	46·4	51·8	- 1·8	4	0·56	14	+2	Holyhead	8·7	—	53	1	27	—	—	—	—
a Aberdovey	60	71	3rd	40	2nd	60·6	47·0	53·3	—	2	0·14	4	—	Aberdovey	8·3	+1·4	51	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "·" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for th periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	72	3rd	40	2nd	60·3	47·4	53·4	—	4	0·29	7	—	Aberystwyth	8·6	+2·0	53	—	—	—	—	—	—
a Rhayader	757	—	—	—	—	—	—	—	—	—	—	—	—	Rhayader ..	—	—	—	—	—	—	—	—	—
t Pembroke	149	68	3rd	44	29th	59·1	48·1	53·2	- 0·3	2	0·49	12	+2	Pembroke ..	9·6	+2·3	60	—	—	—	—	—	—
p Cardiff	202	69	2nd	40	29th	63·6	47·0	54·7	0·5	2	0·64	16	+4	Cardiff ..	7·8	—	48	0	32	58·3	+0·5	54·8	+2·0
b, ENGLAND, S.W.																							
h Bath	66	71	2nd	41	29th	65·0	46·0	54·8	- 0·9	4	0·61	15	+5	Bath	5·6	- 1·4	35	—	—	59·2	+1·0	56·4	+2·3
a Shaftesbury	722	69	2nd	38	29th	61·7	43·7	52·1	- 2·1	3	0·36	9	- 2	Shaftesbury ..	—	—	—	—	—	56·7	—	54·5	—
a Arlington	613	69	3rd	41	29th	61·7	47·0	53·8	+0·2	2	0·74	19	+4										
h Newquay	190	65	3rd	46	29th	60·1	50·6	55·0	+0·2	2	0·29	7	- 2	Newquay ..	8·8	+1·4	55	—	—	59·0	—	53·9	—
a Cullompton	202	73	2nd	37	1st	66·0	46·0	55·3	- 0·2	3	0·53	13	+2	Cullompton ..	5·8	- 0·8	36	0	32	59·4	—	—	—
t Portland Bill	19	68	2nd	46	31, 1, 2	60·7	47·9	53·9	- 0·8	3	0·37	9	+2	Weymouth ..	7·1	—	45	—	—	—	—	—	—
p Plymouth	116	73	2, 3	43	1st	63·4	50·3	56·4	+0·4	5	0·42	11	+1	Plymouth ..	6·3	- 1·0	39	0	37	59·0	+0·6	55·1	—
a Falmouth	167	72	3rd	43	29th	63·1	48·7	55·4	+0·3	4	0·60	15	+4	Falmouth ..	7·9	+0·2	50	0	40	59·5	—	57·6	—
9. IRELAND, N.																							
t Malin Head	208	56	30, 2	43	29th	53·4	45·9	49·4	- 2·6	4	0·21	5	- 7	Malin Head ..	4·8	—	28	—	—	—	—	—	—
t Blacksod Point ..	10	62	3rd	38	29th	56·4	45·1	50·4	- 2·9	2	0·08	2	-14										
a, West .. *a* Mallarany	120	70	4th	37	29th	59·7	43·0	50 8	—	3	0·77	20	—	Mallarany ..	5·0	—	30	1	29	—	—	—	—
p Markree Castle.. ..	122	67	3rd	35	29, 31	58·6	39·6	48·4	- 4·2	3	0·55	14	- 3	Markree Castle	5·4	- 0·8	32	3	25	54·2	- 2·3	51·8	+0·4
p Armagh	204	70	4th	35	29th	61·1	42·4	51·1	- 2·0	3	0·54	14	0	Armagh ..	7·5	+1·4	45	1	28	54·5	- 1·3	51·8	+0·1
b, East .. *t* Donaghadee ..	35	60	2, 4	38	29th	57·7	44·4	50·6	- 1·9	4	0·73	19	+6										
10. IRELAND, S.																							
p Dublin, City	54	66	3rd	39	29th	59·9	45·7	52·3	- 2·9	4	0·27	7	- 5	Trinity Coll.	5·7	—	35	0	35	55·5	- 0·5	53·6	+1·2
t Birr Castle	175	71	3, 4	35	29th	59·4	41·7	49·9	- 3·8	3	0·76	19	+6	Phœnix Park	7·2	+0·5	44	5	24	—	—	—	—
a Kilkenny	195	73	3rd	33	29th	62·3	41·7	51·3	- 2·8	4	0·28	7	- 6	Dublin City ..	—	—	—	0	35	—	—	—	—
a Waterford	137	69	2nd	35	29th	62·4	42·9	52·0	- 2·8	3	0·44	11	- 3	Birr Castle ..	6·9	+1·0	42	2	25	—	—	—	—
p Seskin, Carrick-on-Suir	542	73	3rd	35	29th	62·3	42·9	51·9	—	3	0·54	14	—	Seskin ..	8·2	—	50	2	26	—	—	—	—
a Cahir	199	73	3rd	36	1st	63·0	42·3	51·9	- 2·2	4	0·40	10	—										
a Foynes	50	71	3rd	39	1st	61·9	44·6	52·7	- 1·9	3	0·89	23	+9										
t Cahirciveen (Val. Obs.)	30	67	3rd	42	29th	57·1	45·1	50·7	- 3·7	3	0·95	24	+6	Cahirciveen ..	8·8	+2·1	54	0	36	—	—	—	—
a Killarney	174	75	3rd	37	1st	64·6	42·0	52·5	- 2·0	3	0·31	15	- 2	Ballinacurra	8·6	+1·9	53	—	—	—	—	—	—
t Roche's Point	32	69	4th	40	29th	59·1	45·9	52·0	- 2·3	3	0 38	10	- 5										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	64	3rd	47	29th	59·7	50·3	54·7	- 0·4	5	0·31	8	- 3	Scilly ..	8·9	+1·1	56	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	69	2nd	45	1st	63·1	51·6	57·0	+0·3	3	0·37	10	- 3	St. Heliers ..	6·0	- 2·1	38	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	66	2nd	45	29th	62·0	51·0	56·1	- 0·4	4	0·40	10	- 2	Guernsey† ..	6·8	- 1·6	43	1	29	59·0	- 0·1	56·8	+1·6

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, June 4th, 1921.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	30, 31	8	77	80	3	0	140	13	30	8	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	5	102	61	0	220	8	31	3	19	31	3	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	24	119	25	0	200	8	31	3	—	—	—	—
Edinburgh	485	39	31	—	0	30	6	34	84	44	0	160	13	30	1	22	30	22	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	30, 31	10	37	71	50	0	200	14	31	2	23	30	21	10
Paisley	188	81	15	—	0	—	0	30	117	21	0	240	10	30	22	31	30	21	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	14	70	84	0	220	7	31	7	15	29	23	35
South Shields	72	61	12	—	0	—	0	38	82	48	0	250	10	31	9	19	31	0	35
Spurn Head	66	40	‡	--	Instrument dismounted.														
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	30, 3	25	112	30	1	0	220	13	30	17	19	30	18	55
Shoeburyness	103	90	‡	—	0	30	6	51	73	38	0	200	12	30	22	17	30	8	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	85	73	10	—	220	10	30	16	15	30	22	50
5. ENGLAND, S.E.																			
Brighton	261	53	6																
Larkhill, S'y Plain ..	513	63	43	—	0	30	13	128	27	0	0	210	13	30	21	17	30	20	50
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	63	94	11	0	220	9	30	16	16	31	0	40
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	30, 31	15	84	60	9	0	210	15	31	2	--	—	—	—
Southport	80	62	48	—	0	30, 31	13	81	63	11	0	240	15	31	10	23	31	2	5
Holyhead	60	40	‡	—	0	29, 30, 31	26	70	60	12	0	210	15	31	1	23	30	18	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	29, 30	6	29 to 31, 2	39	76	25	0	22	230	20	30	18	27	30	18	10
Plymouth	185	88	2	—	0	29, 30	15	43	89	21	0	—	?	?	?	20	30	2	50
Lyme Regis	556	61	‡	—	0	—	0	67	90	11	0	—	10	30	3	15	30	2	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	31	1	29, 30, 31	12	60	73	22	0	220	18	31	1	—	—	—	—
Quilty	100	40	‡‡	—	0	29 to 31	25	53	74	16	0	—	16	30	19	22	30	19	15
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	29, 30	8	67	54	39	0	180	12	29	13	19	30	20	25
Weaver Pt.	160	30	‡‡‡	--	0	29, 30	9	53	96	10	0	—	15	30	15	24	30	20	20
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	30	1	49	97	21	0	200	11	30	20	17	30	19	45

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SECOND WEEK of 1921—May 29th to June 4th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Sunshine Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	78	35	86·9	79·9	83·2	− 0·1	58	− 2	0	− 1	4	0	0·74	19	+ 4	4·1	− 1·4	23	1015
Eastern.																			
1. SCOTLAND, EAST ..	70	36	89·0	78·8	83·6	− 0·3	63	− 4	0	− 1	3	0	0·55	14	+ 1	8·2	+ 1·7	48	1015
2. ENGLAND, N.E. ..	71	34	89·7	79·9	84·5	− 0·2	75	− 3	0	0	3	0	0·30	8	− 3	8·7	+ 2·4	53	1017
3. ENGLAND, EAST ..	74	36	90·4	81·6	85·7	− 0·1	90	− 2	0	0	3	0	0·22	6	− 4	7·7	+ 0·5	47	1018
4. MIDLAND COUNTIES	72	35	90·7	79·8	84·9	− 0·7	80	− 10	0	0	4	+ 1	0·44	11	− 1	7·8	+ 1·5	48	1018
5. ENGLAND, S.E. ..	74	32	90·7	81·8	85·9	− 0·3	93	− 4	0	0	3	0	0·33	8	− 2	6·7	− 0·7	42	1018
estern																			
6. SCOTLAND, WEST ..	76	37	89·2	79·1	83·8	− 0·8	66	− 10	0	0	2	− 2	1·07	27	+10	—	—	—	1016
7. ENGLAND, N.W. ..	73	35	88·9	80·0	84·2	− 1·0	71	− 12	0	0	3	0	0·38	10	− 4	8·6	+ 1·9	52	1017
8. ENGLAND, S.W. ..	73	37	90·1	81·4	85·4	− 0·3	86	− 4	0	0	3	0	0·53	13	+ 2	7·5	+ 0·6	47	1017
9. IRELAND, NORTH ..	71	35	87·3	79·2	83·0	− 1·6	56	− 21	0	0	3	− 1	0·48	12	− 3	6·5	+ 0·3	39	1016
10. IRELAND, SOUTH ..	75	33	89·2	79·4	83·9	− 1·5	68	− 19	0	0	3	0	0·55	14	− 1	7·9	+ 1·4	48	1018
11. ENGLISH CHANNEL..	69	45	89·4	83·6	86·3	0·0	97	0	0	0	4	+1	0·36	9	− 3	7·2	− 0·9	45	1018
MEAN: DISTRICTS 1-10	76	32	89·5	80·1	84·5	− 0·7	75	− 9	0	0	3	0	0·49	12	− 1	7·7	+ 1·1	47	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, May 29th to June 4th, 1921.

0. SCOTLAND, NORTH ..	78	35	86·9	79·9	83·2	− 0·1	58	− 2	0	− 1	4	0	0·74	19	+ 4	4·1	− 1·4	23	1015
Eastern																			
1. SCOTLAND, EAST ..	70	36	89·0	78·8	83·6	− 0·3	63	− 4	0	− 1	3	0	0·55	14	+ 1	8 2	+ 1·7	48	1015
2. ENGLAND, N.E. ..	71	34	89·7	79·9	84·5	− 0·2	75	− 3	0	0	3	0	0·30	8	− 3	8·7	+ 2·4	53	1017
3. ENGLAND, EAST ..	74	36	90·4	81·6	85·7	− 0·1	90	− 2	0	0	3	0	0·22	6	− 4	7·7	+ 0·5	47	1018
4. MIDLAND COUNTIES	72	35	90·7	79·8	84·9	− 0·7	80	− 10	0	0	4	+ 1	0·44	11	− 1	7·8	+ 1·5	48	1018
5. ENGLAND, S.E. ..	74	32	90·7	81·8	85·9	− 0·3	93	− 4	0	0	3	0	0·33	8	− 2	6·7	− 0·7	42	1018
Western.																			
6. SCOTLAND, WEST ..	76	37	89·2	79·1	83·8	− 0·8	66	− 10	0	0	2	− 2	1·07	27	+ 10	—	—	—	1016
7. ENGLAND, N.W. ..	73	35	88 9	80·0	84·2	− 1·0	71	− 12	0	0	3	0	0·38	10	− 4	8·6	+ 1·9	52	1017
8. ENGLAND, S.W. ..	73	37	90·1	81·4	85·4	− 0·3	86	− 4	0	0	3	0	0·53	13	+ 2	7·5	+ 0 6	47	1017
9. IRELAND, NORTH ..	71	35	87·3	79·2	83·0	− 1·6	56	− 21	0	0	3	− 1	0·48	12	− 3	6·5	+ 0·3	39	1016
10. IRELAND, SOUTH ..	75	33	89·2	79·4	83·9	− 1·5	68	− 19	0	0	3	0	0·55	14	− 1	7·9	+ 1·4	48	1018
11. ENGLISH CHANNEL..	69	45	89·4	83·6	86·3	0·0	97	0	0	0	4	+ 1	0·36	9	− 3	7·2	− 0·9	45	1018
MEAN: DISTRICTS 1-10..	76	32	89·5	80·1	84·5	− 0·7	75	− 9	0	0	3	0	0·49	12	− 1	7·7	+ 1·1	47	1017

THE YEAR. Aggregates, &c., for the Period of 22 Weeks, January 2nd to June 4th, 1921.

0. SCOTLAND, NORTH ..	78	16	82·6	76·1	79·3	+ 1·1	574	+132	348	−190	101	− 3	24·59	627	+ 97	3·4	+ 0·2	29	1011
Eastern.																			
1. SCOTLAND, EAST ..	75	8	83·2	75·4	79·1	+ 0·9	622	+108	451	−166	79	− 9	10·41	262	− 31	4·4	+ 0·7	37	1013
2. ENGLAND, N.E. ..	76	22	84·4	76·8	80·5	+ 1·6	841	+268	250	−222	67	−13	6·18	159	− 63	4·3	+ 0·3	36	1016
3. ENGLAND, EAST ..	78	23	85·1	77·1	81·0	+ 1·8	987	+289	227	−267	59	−19	5·45	140	− 76	4·9	+ 0·7	41	1018
4. MIDLAND COUNTIES	78	23	85·0	76·8	80·8	+ 1·6	911	+189	253	−269	68	− 9	6·64	169	− 79	4·1	+ 0·4	35	1018
5. ENGLAND, S.E. ..	80	21	85·4	77·7	81·4	+ 1·5	1020	+252	170	−209	67	− 9	6·38	163	− 86	4·8	+ 0·6	40	1019
Western.																			
6. SCOTLAND, WEST ..	76	19	83·5	76·9	80·1	+ 1·0	698	+108	240	−176	98	+ 4	19·82	503	+ 46	—	—	—	1015
7. ENGLAND, N.W. ..	79	20	84·0	77·6	80·7	+ 1·3	808	+183	161	−221	79	− 4	11·40	290	− 29	4·4	+ 0·6	36	1017
8. ENGLAND, S.W. ..	78	22	84·8	78·0	81·3	+ 1·2	941	+193	131	−170	75	− 8	9·98	253	−111	4·7	+ 0·6	39	1019
9. IRELAND, NORTH ..	71	23	84·1	77·5	80·7	+ 1·0	801	+148	148	−192	95	− 6	12·28	311	− 54	3·6	0·0	30	1015
10. IRELAND, SOUTH ..	75	23	84·9	78·1	81·4	+ 0·9	941	+129	117	−143	92	+ 2	12·38	315	− 81	3·8	− 0·2	32	1018
11. ENGLISH CHANNEL..	74	32	85·3	80·1	83·0	+ 1·5	1150	+227	27	− 78	77	−12	7·17	181	−124	5·2	+ 0·3	43	1020
MEAN: DISTRICTS 1-10 ..	80	8	84·4	77·2	80·7	+ 1·3	857	+187	215	−204	78	− 7	10·09	256	− 56	4·3	+ 0·4	36	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
10th June, 1921.

METEOROLOGICAL OFFICE
29 JUN 1921
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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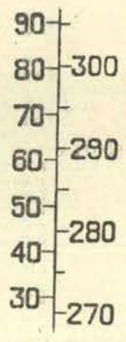
FORTY-FOURTH YEAR. Vol. XXXVIII (New Series) No. 23.

TWENTY-THIRD WEEK.
SUNDAY, JUNE 5TH, TO SATURDAY, JUNE 11TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

During the greater part of the week anticyclonic conditions prevailed over the British Islands generally and the weather was fine and dry. On the night of the 9th to 10th a depression from the Atlantic passed rapidly over the northern parts of the Kingdom, causing strong winds and gales from west or north-west in Scotland and the northern parts of England. At Rothesay (Isle of Bute) a good deal of damage was done to vegetation and shipping. Thunder was reported at a few places on the 10th. The mean temperature for the week was above the normal in all districts, with the exception of Scotland E, and the mean daily range was considerably more than 12 a at a number of stations. The highest of the maxima occurred generally on the 7th or 8th, when readings of 297 a and above were registered in many parts of the country. Minimum temperatures of 275 a in the screen were recorded at a few stations, the actual lowest being 272 a at Balmoral and West Linton, while the readings of the grass thermometer on the mornings of the 6th and 7th were as low as 270 a at several stations. Rainfall was less than the normal in all districts. The largest amounts reported were 10mm. at Aberdeen, 9mm. at Alnwick Castle on the 8th, 15mm. at Deerness, 9mm. at Gordon Castle, 8mm. at Marchmont on the 9th, and 10mm. at Mallarany, Co. Mayo, on the 11th. Bright sunshine was above the normal in all districts; at many stations between 15 and 16 hours were recorded on the 6th or 7th; the largest amounts in a day were 16·3 hours at Aberdeen, 16·1 hours at Stornoway and 16·0 hours at Mallarany on the 6th. The mean departure from the normal ranged from +3·3 hr. at Stonyhurst and Ballinacurra and +3·1 hr. at Sheffield to —1·2 hr. at Margate and —0·3 hr. at Clacton. Solar halos were observed on various dates at Aberdeen, Birmingham, Greenwich, St. Leonards, Kew, Oxford, Ross-on-Wye and Tenbury.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	3·3	9	2·2	6	1·4	1	0·6	2	7·3	1	0·6	8	2·8	7	2·7
North	13	3·3	8	2·1	20	6·7	21	3·5	24	3·2	24	3·5	16	3·1	13	3·8
West	14	3·5	15	5·5	5	3·0	13	3·2	16	5·5	16	5·2	15	8·1	15	4·1
East	7	2·1	4	1·9	16	6·1	12	3·4	11	6·0	12	2·7	11	2·8	4	1·7
Calm	5	—	9	—	1	—	3	—	1	—	0	—	1	—	7	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual
Rainfall ..	Moderate	Moderate	Very Light	Nought	Nought	Nought	Moderate	Very Light	Very Light	Light	Very Light	Very Light
Sunshine ..	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	—	Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 2 weeks from May 29th, 1921. Warmth ..	0, 2, 0	0, 2, 0	0, 2, 0	1, 1, 0	1, 1, 0	1, 1, 0	0, 2, 0	0, 2, 0	1, 1, 0	0, 1, 1	0, 1, 1	1, 1, 0
Rainfall ..	0, 2, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 1, 1	0, 2, 0	1, 1, 0	0, 1, 1	0, 1, 1	0 1, 1	0, 1, 1	0, 1, 1
Sunshine ..	1, 0, 1	2, 0, 0	2, 0, 0	0, 2, 0	2, 0, 0	1, 1, 0	—	2, 0, 0	1, 1, 0	1, 1, 0	2, 0, 0	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0 SCOTLAND, N.																							
t Lerwick	54	56	6, 7	41	6th	53·6	44 6	48·8	+0·9	3	0·27	7	− 1										
p Deerness, Orkney	165	62	6th	42	8, 9	56·9	45·6	50 9	+1·8	6	0·88	22	+14	Deerness	6·2	+0·3	34	—	—	—	—	—	—
a, Islands *t* Stornoway	51	66	6, 7	46	9 10 11	58·7	47·4	52·7	+2·1	4	0·51	13	+ 2	Stornoway	7·7	+1·2	43	—	—	—	—	—	—
t Castlebay, Barra I.	37	65	5th	47	11th	56·3	49·9	57·5	—	4	0·10	3	—	Castlebay	9·9	—	57	—	—	—	—	—	—
t Wick	81	58	6,7,10	38	9th	55·1	44·3	49·3	− 0·7	5	0·36	9	+ 1										
a Strathpeffer	125	77	7th	41	9th	62.7	45·6	53·6	+0 8	3	0·24	6	− 2										
b, Main- *p* Glencarron	500	71	8th	44	9, 10	61·6	46·6	53·6	+2 2	4	0·87	22	+ 3										
land. *a* Fort Augustus	68	70	7th	36	9th	61·9	45·4	53·1	+0·9	5	0·20	5	− 5										
p Fort William	171	75	6th	42	9th	64·3	47·4	55·3	+1·7	5	0.55	14	− 2										
1. SCOTLAND, E.																							
t Nairn	82	73	7th	37	6th	61·9	43·6	52·1	− 0·2	5	0·37	9	+ 1	Nairn	6·9	—	39	—	—	—	—	—	—
p Gordon Castle	101	75	7th	37	6th	62·3	45·0	53·1	+0·4	5	0·77	20	+11	Gordon Castle	7·6	—	43	—	—	—	—	—	—
t Aberdeen	46	61	7, 10	39	6th	58·9	45·0	51·5	− 0·3	4	0·48	12	+ 4	Aberdeen	8·5	+2·2	48	1	30	—	—	51 3	+2·3
a Balmoral	930	73	7th	31	6th	62·0	39·0	49·7	− 0·9	5	0·27	7	− 2	Balmoral	—	—	—	2	28	—	—	—	—
p Crieff	432	72	7th	35	10th	64·0	40·6	51·5	− 2·4	3	0·12	3	− 8	Crathes	8·1	+2·1	46	0	31	54·7	+0·7	49·4	− 0·4
a Dundee	244	68	10th	36	6th	65·3	42·3	53·0	− 0·4	2	0·23	6	− 2	Dundee	8·7	—	50	1	30	56·6	—	—	—
t Leith	30	66	10th	44	6th	61·7	49·0	54·9	+1·0	4	0·11	3	− 5	Leith	—	—	—	0	35	—	—	—	—
p Edinburgh	441	70	7th	42	9th	61·1	46·0	53·0	+0·8	4	0·27	7	− 1	Edinburgh	8·2	+2·0	47	0	33	—	—	—	—
a West Linton	769	74	7th	31	7th	61·7	41·0	50·6	+0·1	4	0 18	5	—	West Linton	—	—	—	1	28	—	—	—	—
a Marchmont	498	—	—	39	6th	—	45·0	—	—	1	0·30	8	− 2	Marchmont	8·5	+2·3	49	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	73	5, 6	41	9th	63·3	46·0	54·1	—	5	0·60	15	—	Ford (Argyll)	—	—	—	0	36	57·2	—	51·8	—
t Renfrew	49	72	7th	37	7th	64·6	46·1	54·7	—	3	0·17	4	—	Renfrew		—		2	27	—	—	—	—
p Rothesay	200	68	5, 6, 7	45	9th	61·9	47·3	54·1	− 0·2	5	0·39	10	− 3	Rothesay	9·0	—	52	0	38	59·0	—	52·7	+1·3
a Kilmarnock	90	75	7th	40	6, 9	66·6	45·9	55·5	+1·9	4	0·20	5	− 5	Kilmarnock	8·9	—	52	—	—	59·2	—	51·9	—
a Colmonell	170	72	5th	37	6th	64·3	47·0	55·1	+1·9	4	0·23	6	− 5	Colmonell	—	—	—	0	33	—	—	—	—
p Dumfries	160	73	7th	40	7th	63·9	46·0	54·3	− 0·8	4	0·26	7	− 3	Dumfries	9·8	—	58	0	31	57·1	− 0·6	52 5	− 1·3
t Eskdalemuir	794	70	7th	34	7th	61·0	42·0	50·8	—	4	0·48	12	—	Eskdalemuir	8·7	—	50	2	29	—	—	—	—
b, I. OF MAN *h* Douglas	284	68	6, 7	46	6, 9	61·1	48·9	54·6	+0·7	2	0·16	4	− 6	Douglas	8·3	+0·6	49	0	42	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	64	7th	38	7th	61·3	44·4	52·3	− 0·2	3	0·37	9	− 3	Cockle Park	8·0	+2·2	47	1	27	56 0	+0·9	52·4	+1·3
t Tynemouth	118	63	11th	43	7th	59·6	48·4	53·6	+1·3	1	0·09	2	− 9										
p Durham	336	67	10th	41	6, 7	62·9	45·0	53·3	+0·1	2	0·13	3	− 7	Durham	8·3	+2·8	49	2	28	—	—	—	—
a North *p* Rounton	249	71	7th	38	7th	61·9	45·4	53·1	+0·3	2	0·07	2	−11	Rounton	—	—	—	1	27	56·2	—	—	—
a West Witton	605	71	7th	43	7th	62·7	46·3	53·9	—	2	0·03	1	—	West Witton	—	—	—	0	40	55·9	—	50·4	—
h Scarborough	118	64	8th	49	6 7, 8	60 0	50·4	54·9	+1·3	1	0·06	2	− 8	Scarborough †	7·7	+1·9	46	—	—	—	—	56·2	—
p York	56	70	7, 10	42	7th	65·7	47·4	55·9	+0·4	2	0·03	1	−10	York	8·6	+2·9	51	—	—	57·4	+1·9	53·5	+1·8
t Spurn Head	26	63	7, 11	48	5, 6	60·1	49·6	54·5	+0·6	1	0·03	1	− 7										
b, South *a* Lincoln	58	72	7th	45	6th	66·3	48·6	56·8	+0·6	1	0·01	0·3	−11	Lincoln	—	—	—	0	43	57·8	+0·1	53·9	+1·8
a Fulbeck	180	70	7th	40	6th	66·1	46·3	55·5	− 0·1	1	0·02	1	−10	Fulbeck	8·7	+2·3	53	0	36	—	—	—	
														Skegness	8·4	+1·5	50	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	65	7th	46	11th	62·6	48·0	54·8	+0·2	0	0·00	0	− 12	Cromer	6·7	+0·3	40	—	—	—	—	—	—
a Little Massingham	277	68	7th	44	6, 8, 11	63·9	46 0	54·3	− 1·4	1	0·01	0·3	− 15	Lit Massingham	7·4	+1·0	44	—	—	—	—	—	—
t Yarmouth	13	64	6, 8	50	11th	62 4	52·9	57·3	+2·4	0	0·00	0	−12	Yarmouth	7·0	—	42	0	47	59·1	− 1 4	55·4	− 0·4
a Norwich	93	72	8th	46	8th	66·1	49·9	57·4	+1 4	0	0·00	0	−13	Norwich	7·1	—	43	0	42	61·7	—	—	—
a Geldeston	37	73	8th	43	8th	60·0	48·9	56·9	+1·5	0	0·00	0	− 12	Geldeston	7·6	+0 8	46	—	—	—	—	—	—
p Cambridge	41	74	7th	42	11th	68·6	46·9	57·0	+0 4	1	0·03	1	−13	Cambridge	7·6	+1·1	46	0	34	59·5	+0·3	55·6	+0 8
t Clacton-on-Sea	54	72	8th	47	6th	66·0	51·1	58·0	+2·4	0	0·00	0	−10	Clacton-on-Sea	6·9	− 0·3	42	0	43	58 7	+0·7	55 9	+0 9
a Rothamsted	420	73	7th	44	6th	67·1	47·0	56·4	+0·9	0	0·0 0	0	−15	Rothamsted	7·7	+1·3	47	0	32	57 8	—	—	—
p Tottenham	51	74	8th	47	6th	69·4	50·4	59·2	—	0	0·00	0	—	Tottenham	8·4	—	52	0	46	—	—	58·4	+2·8
														Southend	7·5	—	46	0	43	60 7	+0 2		
4. MIDLAND COUNTIES.														Harrogate									
h Harrogate	479													Sheffield	8·7	+3·1	52	0	38	56 3	+1·4	52·7	+2·8
a North *p* Sheffield	429	71	7th	44	6th	64·3	47·7	55·4	—	1	0·02	1	—	Buxton	8·3	—	49	0	37	57 6	+2·7	51 9	+2·6
h Buxton	987	68	7th	41	7, 8	61·3	44·3	52·2	− 0·6	1	0·01	0·3	−20										
a Worksop	56	74	7th	38	8th	68·7	46·9	57·0	+1·3	1	0·01	0·3	−12	Worksop	8.5	+3·0	51	0	32	58 4	—	54 3	—
t Nottingham	82	71	7th	40	8th	65 6	48·0	56·2	0 0	0	0·00	0	−12	Nottingham	8·4	+2·5	51	0	37	57·3	− 0·6	54·5	+1 7
b, East *p* Birmingham, Edgbsn.	525	73	7th	44	6th	66·3	47·6	56·3	+0·3	1	0·03	1	− 13	Birmingham	7·7	+2·8	47	0	32	54·7	+1·9	50·4	+1·3
a Raunds	203	73	7th	41	8th	67·9	45·9	56·1	− 0·4	0	0·00	0·1	−12	Raunds	7·7	—	47	0	39	59 4	—	—	—
p Oxford	208	75	7th	44	8th	69·9	48·0	58·2	+1·2	1	0·01	0·3	−14	Oxford	8·4	+2·0	51	0	37	—	—	—	—
														Malvern	8·9	—	54	0	42	59 3	—	56 3	—
a Cheadle (N. Staffs.)	646	71	7th	42	7th	64·9	46·0	54·8	+0·2	0	0·00	0	−16	Cheadle	—	—	—	0	38	—	—	—	—
c, West *p* Tenbury	313	75	7th	39	7, 8	69·4	44·9	56·3	+0·7	0	0·00	0	−12	Tenbury	—	—	—	0	34	57 9	—	—	—
a Hereford	291	75	7th	42	8th	69·9	45·9	57·1	+0·6	0	0·00	0	−13	Ross on Wye	9·4	—	57	0	33	60·3	—	55·7	—
a Clifton	225	75	7th	47	6th	69·4	50·4	59·2	+1·0	0	0·00	0	−15	Clifton	10·1	—	62	0	45	—	—	—	—
5. ENGLAND, S.E.														Worthing	9·7	+2 3	60	0	44	60 7	+0 1	56·2	+1·0
a Marlborough	424	75	7th	37	8th	70·6	45·0	56·9	+1·6	1	0·02	1	−16	Marlborough	8·0	+2 1	49	0	34	59·1	—	54·2	—
a Porton	340	75	8th	36	8th	70·3	45·1	56·8	—	0	0·00	0	—	Porton	—	—	—	0	34	60 2	—	—	—
a Wisley, Surrey	150	76	8th	42	8th	71·4	48·1	58·9	+2 2	1	0·01	0·3	−13	Wisley, Surrey	8·6	+2·0	53	0	31	58 8	− 0·1	54 9	+0·4
h Tunbridge Wells	354	75	8th	43	8th	68·3	47·6	57·2	+0·7	0	0·00	0	−15	Tunbridge Wells	7·5	+0·8	46	0	34	59 3	− 1·5	55 6	—
h Margate	51	70	8th	50	6, 9, 11	62·6	52·1	57·0	+0·2	0	0·00	0	−13	Margate	5·2	− 1·2	32	0	42	60·7	+2 5	58 6	+4·4
t Dungeness	21	67	8, 10	48	8th	64·4	51·9	57·7	+1·6	0	0·00	0·1	−11	Folkestone	7·2	—	44	—	—	—	—	—	—
h St. Leonards	178	69	6, 7, 8	49	6,10,11	66·4	50·9	58·1	+1·5	1	0·02	1	−12	St. Leonards	8·1	+0·8	50	0	45	60·8	—	55·9	—
p Southampton	64	77	7, 8	45	11th	71·3	48·1	58·9	+0·5	0	0·00	0	−15	Southampton	9·8	+2 9	60	0	38	—	—	—	—
a Ventnor	59	73	10th	48	11th	69·1	51·6	59·7	+2·3	0	0·00	0	−14	Ventnor	9·6	+2·7	59	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	74	8th	48	6th	69·4	50·7	59·4	+1·7	0	0·00	0	−16	Richmond	8·0	+1·7	49	0	33	59 0	+0 6	54·9	+1·3
a Westminster	27	75	8th	48	6th	70·4	51·4	60·2	+1·9	0	0·00	0·1	−14	Westminster	8·5	+2 9	52	0	44	—	—	—	—
ag Greenwich	149	78	8th	47	6, 8	71·6	49·6	59·8	+1·6	1	0 01	0·3	−15	Greenwich	8 2	+1·8	50	0	34	—	—	—	—
a Hampstead	450	74	8th	45	6th	69·0	48·0	57·8	—	1	0·01	0 3	--	Hampstead	8·2	—	50	0	40	—	—	—	—
ag Camden Square	110	78	8th	47	6th	73·7	50·1	61·1	+1·7	1	0·01	0·3	−15	Camden Square	—	—	—	0	45	60 0	—	55·1	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	70	7th	41	6th	61·0	46·0	53·0	− 1·3	3	0·23	6	− 5	Aspatria	8·1	+1·1	48	0	37	55·5	− 1·1	51·9	+1·1
p Newton Rigg	559	72	7th	38	6th	63·7	44·7	53·5	− 0·4	4	0·34	9	− 1	Newton Rigg	9·1	+2·0	54	1	28	—	—	—	—
p Stonyhurst	375	71	7th	44	6th	62·1	48·1	54·6	− 0·1	2	0·11	3	−10	Stonyhurst	9·8	+3·3	58	0	41	—	—	—	—
h Blackpool	66	74	7th	40	6th	64 0	48·1	55·5	+0 1	1	0 04	1	− 8	Blackpool	10 2	+2·4	61	0	31	56·9	—	52 8	—
h Southport	37	75	7th	42	6th	63·7	48·9	55·8	+0·5	1	0·02	0·4	− 9	Southport	10·1	+2·5	61	1	30	60 9	+1·5	57·2	+1·8
														Hoylake	9·3	+2·3	55	—	—	—	—	—	—
t Liverpool (Bidston)	188	72	7th	44	6, 7	64·1	49·1	56·1	+0·2	0	0·00	0	− 9	Liverpool	8·6	—	51	0	39	—	—	—	—
a Hawarden Bridge	22	74	7th	42	6th	65·6	49·1	56·8	+0·3	0	0·00	0	− 8	Manchester City	8·0	+2·1	48	0	42	60·1	+3·1	55·8	+2·6
p Manchester (Whit. Pk.)	125	75	7th	47	6th	65·7	49·7	57·1	+0·3	1	0·01	0·3	−11	„ Whit. Pk.	7·9	+2·3	47	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	65	6, 7	44	6th	61·7	48·9	54·9	− 1·0	2	0·02	1	− 8	Llandudno	9·4	+1·8	56	—	—	—	—	—	—
t Holyhead	15	70	7th	47	6th	61·4	50·3	55·5	+1·0	1	0·02	0·4	− 9	Holyhead	8·7	—	52	0	40	—	—	—	—
a Aberdovey	60	74	7th	46	6th	65·4	50·6	57·5	—	0	0·00	0	—	Aberdovey	8·5	+1·4	51	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	77	7th	50	9th	64·6	51·6	57·7	—	3	0·04	1	—	Aberystwyth	8·6	+2·2	52	—	—	—	—	—	—
a Rhayader	757	71	7th	39	6 th	62·1	44·3	52 6	—	2	0·03	1	—	Rhayader ..	8·6	—	52	2	27	—	—	—	—
t Pembroke	149	70	7th	48	9th	62·3	51·7	56·6	+1·7	0	0·00	0	-12	Pembroke ..	10·2	+3·0	63	—	—	—	—	—	—
p Cardiff	202	75	7th	44	6th	68·6	48·9	58·1	+1·4	0	0·00	0	-15	Cardiff ..	10·5	—	64	0	38	59·8	+0·5	55·3	+1·3
b, ENGLAND, S.W.																							
h Bath	66	75	7th	43	8th	69·9	49·0	58·7	+1·6	1	0·01	0·3	-13	Bath	8·4	+1·7	52	—	—	60·9	+1·4	57·1	+1·9
a Shaftesbury	722	74	7th	42	6th	68·0	45·6	56·0	+0·4	0	0·00	0	-13	Shaftesbury ..	—	—	—	—	—	58·0	—	54·6	—
a Arlington	613	71	7th	45	6th	63·6	48·3	55·4	+0·4	0	0·00	0	-19										
h Newquay	190	67	5th	52	10th	62·1	53·1	57·3	+1·3	0	0·00	0	-11	Newquay ..	9·4	+2·2	58	—	—	61·8	—	54·9	—
a Cullompton	202	77	7th	44	8th	71·1	48·1	58·8	+1·9	0	0·00	0	-13	Cullompton ..	9 1	+2·6	56	0	38	62·7	—	—	—
t Portland Bill	19	66	8th	46	6th	63·9	50·0	56·5	+0 4	1	0·01	0 3	- 8	Weymouth ..	9·8	—	60	—	—	—	—	—	—
p Plymouth	116	74	7th	51	6, 9, 10, 11	68·4	52·6	60·0	+2·7	0	0·00	0	-12	Plymouth ..	9·9	+2·9	61	0	44	62·5	+3·0	55·9	—
a Falmouth	167	70	6, 7	50	9th	66·6	52 3	59·0	+2·5	1	0·02	1	-12	Falmouth ..	10·0	+2·6	62	0	45	63·0	—	59·2	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	67	7th	44	8th	59·9	48·7	53·9	- 0·7	2	0·21	5	- 9										
a Mallarany ..	120	74	6th	47	10th	64·4	49 6	56·5	—	4	0 58	15	—	Mallarany ..	?	—	?	0	41	—	—	—	—
p Markree Castle.. ..	122	72	6, 7	40	7th	64·3	47·0	55·1	+1·2	4	0·29	7	- 7	Markree Castle	7 2	+1·3	43	0	33	58·5	+0·9	52·2	- 0·2
b, East .. *p* Armagh.. ..	204	70	7th	44	6, 7, 9	64·9	46·7	55·2	+0·7	5	0·28	7	- 5	Armagh ..	8·2	+2·3	49	0	31	57·9	+1 1	53·0	+0·3
t Donaghadee	35	64	5, 7	41	9th	60·7	47·0	53·4	- 0 4	2	0·06	2	-10										
10. IRELAND, S.																							
p Dublin. City	54	66	10th	45	9th	63·3	51·3	56·9	+0·3	4	0·11	3	- 7	Trinity Coll.	7·1	—	42	0	38	58·5	+1·4	54·5	+1·1
t Birr Castle	175	74	7th	40	9th	65·3	47·9	56·0	+0·8	3	0·13	3	- 9	Phœnix Park	8·8	+2·2	53	3	27	—	—	—	—
a Kilkenny	195	76	7th	38	9th	68·0	48·0	57·3	+1·8	3	0·06	1	-11	Dublin City ..	—	—	—	0	41	—	—	—	—
a Waterford	137	70	7th	42	9.h	67·3	49·6	57 8	+1·6	0	0·00	0	-13	Birr Castle ..	8·7	+2·9	52	0	32	—	—	—	—
p Seskin, Carrick-on-Suir	542	72	7th	41	9th	68·1	47·1	56·9	—	1	0·06	2	—	Seskin ..	9·7	—	59	0	34	—	—	—	—
a Cahir	199	76	7th	37	9th	68·1	47·0	56·8	+1·2	2	0·02	1	—										
a Foynes	50	73	7th	45	9th	65·9	49·0	56·9	+0·9	1	0·02	1	-12										
t Cahirciveen (Val. Obs.)	30	70	6th	44	7th	61·6	49·0	54·9	- 0 7	2	0·03	1	-16	Cahirciveen ..	8·5	+1·9	52	0	37	—	—	—	—
a Killarney	174	78	7th	41	9th	69 9	48 3	58·4	+2·5	0	0·00	0	-15	Ballinacurra	10·0	+3·3	61	—	—	—	—	—	—
t Roche's Point	32	67	6th	45	9th	64·0	51·9	57·5	+1·8	0	0 00	0·1	-14										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	66	7th	52	8th	62·4	53·3	57·5	+1·5	0	0·00	0	-12	Scilly ..	8·7	+1·6	54	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	70	7th	53	11th	64·6	54·9	59·4	+1·8	0	0·00	0	-14	St. Heliers ..	8·3	+1·0	52	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	67	7, 8	51	6th	63·6	52·9	57·9	+0·7	2	0·05	1	-12	Guernsey† ..	8·7	+1·3	54	0	40	60·5	+0·4	57·6	+1·3

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 11th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	More than 17 m/s. or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	10	3	38	94	33	0	300	12	10	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	6	92	70	0	330	8	10	5	21	10	6	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	10	7	37	103	21	0	300	13	10	6	—	—	—	—
Edinburgh	485	39	31	—	0	9	4	41	71	52	0	260	13	9	19	22	9	18	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	9, 10	4	9, 10	12	45	75	32	0	300	20	9	23	28	9	22	40
Paisley	188	81	15	—	0	9, 10	8	51	78	31	0	310	14	10	3	26	9	23	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	17	101	50	0	?310	10	10	5	20	10	3	45
South Shields	72	61	12	—	0	9, 10, 11	5	44	83	36	0	290	13	9	23	22	9	22	20
Spurn Head	66	40	‡	Instrument dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	5–7, 10	36	87	42	3	0	360	15	10	11	24	10	10	40
Shoeburyness	103	90	‡	—	0	—	0	49	76	43	0	50	10	6	17	15	10	7	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	55	95	18	0	340	10	10	8	18	10	8	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	101	61	6	0	—	11	6	4	18	6	4	15
Larkhill, S'y Plain ..	513	63	43	—	0	6, 9, 10	10	104	31	0	23	10	13	6	10	15	6	10	5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	44	108	16	0	70	10	6	14	17	10	8	0
7. ENGLAND, N.W.																	6	14	10
Fleetwood (Cup Anr.) ..	109	44	—	9, 10	10	8 to 11	45	47	65	1	0	310	23	10	7	—	—	—	—
Southport	80	62	48	9, 10	5	8 to 11	40	63	59	1	0	300	19	10	6	24	10	3	40
Holyhead	60	40	‡	—	0	5, 8 to 11	22	105	37	4	0	270	13	9	22	20	9	19	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24																
Plymouth	185	88	2	—	0	—	0	31	116	21	0	—	8	8	18	15	10	4	5
Lyme Regis	556	61	‡	—	0	6	1	48	99	20	0	—	11	6	4	16	6	8	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	8 to 11	19	82	61	6	0	270	14	9	21	—	—	—	—
Quilty	100	40	‡‡‡	—	0	9	10	94	58	6	0	—	12	9	19	17	9	20	30
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	—	0	56	75	37	0	330	10	8	18	15	9	17	35
Weaver Pt.	160	30	‡	—	0	9	4	86	74	0	4	—	13	9	24	18	9	23	45
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	—	0	24	101	43	0	290	8	9	23	12	9	22	40

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values. will be given in the Introduction to the Annual Volume.

TWENTY-THIRD WEEK of 1921—June 5th to June 11th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	77	38	88·4	80·7	84·3	+ 0·6	72	+ 5	0	0	4	+ 1	0·43	11	− 1	6·9	+ 1·3	39	1016
Eastern.																			
1. SCOTLAND, EAST ..	75	31	89·6	79·3	84·1	− 0·2	69	− 6	0	0	4	+ 1	0·33	8	− 1	8·1	+ 2·1	47	1016
2. ENGLAND, N.E. ..	72	38	90·1	81·5	85·4	+ 0·3	87	+ 5	0	0	2	− 1	0·09	2	− 9	8·3	+ 2·2	49	1017
3. ENGLAND, EAST ..	74	42	91·8	82·4	86·8	+ 0·5	104	+ 7	0	0	0	− 3	0·00	0	−13	7·4	+ 0·7	45	1016
4. MIDLAND COUNTIES	75	38	93·0	81·4	86·8	+ 0·5	104	+ 7	0	0	0	− 3	0·00	0	−14	8·7	+ 2·6	53	1017
5. ENGLAND, S.E. ..	77	36	93·2	82·5	87·5	+ 0·7	113	+ 9	0	0	0	− 3	0·00	0	−14	8·2	+ 1·3	50	1016
Western.																			
6. SCOTLAND, WEST ..	75	37	90·6	81·3	85·6	+ 0·3	89	+ 1	0	0	4	+ 1	0·29	7	− 5	—	—	—	1018
7. ENGLAND, N.W. ..	75	38	90·3	82·1	85·9	+ 0·1	92	+ 1	0	0	2	− 1	0·08	2	− 8	9·2	+ 2·4	55	1018
8. ENGLAND, S.W. ..	77	39	92·2	82·5	87·0	+ 0·6	106	+ 7	0	0	1	− 2	0·01	0	−14	9·3	+ 2·5	57	1018
9. IRELAND NORTH ..	74	40	90·2	81·6	85·6	+ 0·3	89	+ 4	0	0	3	0	0·19	5	− 8	7·7	+ 1·8	46	1020
10. IRELAND, SOUTH ..	78	37	91·8	82·5	86·8	+ 0·6	104	+ 7	0	0	2	− 1	0·05	1	−13	9·0	+ 2·6	54	1021
11. ENGLISH CHANNEL..	70	51	90·5	85·1	87·6	+ 0·8	114	+11	0	0	1	− 2	0·02	1	−12	8·6	+ 1·2	53	1018
MEAN: DISTRICTS 1-10	78	31	91·3	81·7	86·2	+ 0·4	96	+ 4	0	0	2	− 1	0·10	3	−10	8·4	+ 2·0	51	1018

THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Weeks, May 29th to June 11th, 1921.

0. SCOTLAND, NORTH ..	78	35	87·6	80·3	83·7	+ 0·2	130	+ 3	0	− 1	8	+ 1	1·17	30	+ 3	5·5	− 0·1	31	1016
Eastern																			
1. SCOTLAND, EAST ..	75	31	89·3	79·1	83·9	− 0·2	132	− 10	0	− 1	7	+ 1	0·88	22	0	8 2	+ 1·9	47	1016
2. ENGLAND, N.E. ..	72	34	89·9	80·7	85·0	+ 0·1	162	+ 2	0	0	5	− 1	0·39	10	− 12	8·5	+ 2·3	51	1017
3. ENGLAND, EAST ..	74	36	91·1	82·0	86·3	+ 0·2	194	+ 5	0	0	3	− 3	0·22	6	− 17	7·6	+ 0·7	46	1017
4. MIDLAND COUNTIES	75	35	91·9	80·6	85·9	− 0·1	184	− 3	0	0	4	− 2	0·44	11	− 15	8 3	+ 2·1	50	1018
5. ENGLAND, S.E. ..	77	32	92·0	82·2	86·7	+ 0·2	206	+ 5	0	0	3	− 3	0·33	8	− 16	7·5	+ 0·3	46	1017
Western.																			
6. SCOTLAND, WEST ..	76	37	89·9	80·2	84·7	− 0·3	155	− 9	0	0	6	− 1	1·36	34	+ 5	—	—	—	1017
7. ENGLAND, N.W. ..	75	35	89 6	81·1	85·1	− 0·4	163	− 11	0	0	5	− 1	0·46	12	− 12	8·9	+ 2·1	54	1018
8. ENGLAND, S.W. ..	77	37	91·2	82·0	86·2	+ 0·2	192	+ 3	0	0	4	− 2	0·54	13	− 12	8·4	+ 1 6	52	1018
9. IRELAND, NORTH ..	74	35	88·8	80·4	84·3	− 0·7	145	− 17	0	0	6	− 1	0·67	17	− 11	7·1	+ 1·1	42	1018
10. IRELAND, SOUTH ..	78	33	90·4	81·0	85·4	− 0·4	172	− 12	0	0	5	− 1	0·60	15	− 14	8·4	+ 2·0	51	1020
11. ENGLISH CHANNEL..	70	45	90·0	84·4	87·0	+ 0·4	211	+11	0	0	5	− 1	0·38	10	− 15	7·9	+ 0·2	49	1018
MEAN: DISTRICTS 1-10..	78	31	90·4	80·9	85·4	− 0·1	171	− 5	0	0	5	− 1	0·59	15	− 10	8·1	+ 1·6	49	1018

THE YEAR. Aggregates, &c., for the Period of 23 Weeks, January 2nd to June 11th, 1921.

0. SCOTLAND, NORTH ..	78	16	82·9	76·3	79·5	+ 1·1	646	+137	348	−190	105	− 2	25·02	638	+ 96	3·6	+ 0·3	29	1012
Eastern.																			
1. SCOTLAND, EAST ..	75	8	83·5	75·5	79·4	+ 1·0	691	+102	451	−166	83	− 8	10·74	270	− 32	4·5	+ 0·7	37	1014
2. ENGLAND, N.E. ..	76	22	84·7	77·0	80·7	+ 1·6	928	+273	250	−222	69	−14	6·27	161	− 72	4·5	+ 0·5	37	1016
3. ENGLAND, EAST ..	78	23	85·4	77·4	81·3	+ 1·8	1091	+296	227	−267	59	−22	5·45	140	− 89	5·0	+ 0·7	41	1018
4. MIDLAND COUNTIES	78	23	85·4	77·0	81·0	+ 1·5	1015	+196	253	−269	68	−12	6·64	169	− 93	4·3	+ 0·5	36	1018
5. ENGLAND, S.E. ..	80	21	85·7	77·9	81·7	+ 1·5	1133	+261	170	−209	67	−12	6·38	163	−100	4·9	+ 0·5	40	1019
Western.																			
6. SCOTLAND, WEST ..	76	19	83·8	77·1	80·3	+ 0·9	787	+109	240	−176	102	+ 5	20·11	510	+ 41	—	—	—	1015
7. ENGLAND, N.W. ..	79	20	84·3	77·8	80·9	+ 1·2	900	+184	161	−221	81	− 5	11·48	292	− 37	4·6	+ 0·7	38	1017
8. ENGLAND, S.W. ..	78	22	85·2	78·2	81·6	+ 1·2	1047	+200	131	−170	76	−10	9·99	253	−125	4·9	+ 0·6	40	1019
9. IRELAND, NORTH ..	74	23	84·3	77·7	80·9	+ 1·0	890	+152	148	−192	98	− 6	12·47	316	− 62	3·8	+ 0·1	31	1015
10. IRELAND, SOUTH ..	78	23	85·2	78·3	81·6	+ 0·9	1045	+136	117	−143	94	+ 1	12·43	316	− 94	4·1	0·0	33	1018
11. ENGLISH CHANNEL..	74	32	85·5	80·3	83·2	+ 1·5	1264	+238	27	− 78	78	−14	7·19	182	−136	5·3	+ 0·3	44	1020
MEAN: DISTRICTS 1-10 ..	80	8	84·8	77·4	80·9	+ 1·3	953	+191	215	−204	80	− 8	10·20	259	− 66	4·5	+ 0·5	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
17th June, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 24.

TWENTY-FOURTH WEEK.
SUNDAY, JUNE 12TH, TO SATURDAY, JUNE 18TH, 1921.

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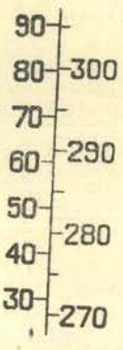
METEOROLOGICAL OFFICE 29 JUN 1921 93 LIBRARY

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week anticyclonic conditions with fine warm weather prevailed over the United Kingdom generally. On Sunday and Monday, however, the weather over the northern parts of the country was affected by the cyclonic conditions over Iceland and slight rain fell in many places. A thunderstorm, with hail, occurred at Norwich on Friday, and several other stations in the eastern and south-eastern parts of England reported thunder on the same day when the heat was excessive. Readings of 302 a and above were registered in many parts of England, by far the highest this summer. On the following day there was a decided fall in temperature, the drop being as much as 11 a in many places. Minima in the screen of 276 a and less were reported in several places, the actual lowest being 273 a at Porton (Salisbury Plain) on the 12th, while on the grass readings of about 269 a were recorded at Rounton, Wisley (Surrey) and Rhayader (Radnor) on the same date. The mean temperature was above the normal in all districts, and the mean daily range of temperature for the week was more than 14 a at a number of stations. Rainfall was less than the normal in all districts, and at a large number of stations the week was rainless. The largest measurements were 13mm. at Rhayader, 8mm. at Birr Castle (King's Co.) on the 12th, 10mm. at Norwich and 9mm. at Nairn on the 17th. The mean amount of bright sunshine varied a good deal in different parts of the country; the largest amounts were obtained mostly on the 15th or 16th, when a number of stations recorded between 15 and 16 hours. The mean departure from the normal ranged from +3·6 hr. at Ballinacurra (Cork) and +3·5 hr. at Guernsey to —1·7 hr. at Stornoway and —1·1 hr. at Blackpool. Aurora was witnessed at Yarmouth on the 12th. Solar halos were observed on various dates at Aberdeen, Birmingham, Dublin, Hodsock Priory (Worksop), Kew Observatory, Oxford, Ross-on-Wye and Shoeburyness. Lunar halos were seen at Oxford on the 13th and 18th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11	2·6	11	1·5	8	3·1	5	1·1	5	3·7	3	2·1	11	2·4	5	2·7
North	13	4·3	7	2·3	19	4·2	15	2·5	19	2·9	20	3·0	10	1·9	10	2·5
West	23	6·3	18	6·0	12	2·3	13	2·8	22	3·4	9	4·8	15	5·6	13	3·6
East	4	2·4	5	2·2	11	3·1	9	1·9	3	4·3	18	3·2	7	2·4	4	1·0
Calm	0	—	4	—	1	—	5	—	2	—	0	—	6	—	11	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual	Very Unusual
	Rainfall ..	Light	Light	Very Light	Very Light	Nought	Nought	Light	Very Light	Light	Very Light	Light	Nought
	Sunshine ..	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	—	Moderate	Abundant	Moderate	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 3 weeks from May 29th, 1921.	Warmth ..	0, 3, 0	0, 3, 0	1, 2, 0	1, 2, 0	2, 1, 0	2, 1, 0	0, 3, 0	0, 3, 0	2, 1, 0	1, 1, 1	1, 1, 1	2, 1, 0
	Rainfall ..	0, 2, 1	0, 2, 1	0, 1, 2	0, 1, 2	0, 1, 2	0, 2, 1	1, 1, 1	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2
	Sunshine ..	1, 1, 1	3, 0, 0	2, 1, 0	0, 3, 0	3, 0, 0	1, 2, 0	—	2, 1, 0	2, 1, 0	1, 2, 0	3, 0, 0	1, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
						Mean for the Week			Deviation from Normal								Grass Min.		Earth 1 ft.		Earth 4 ft.	
		Highest	Date	Lowest	Date	Of Daily Max.	Of Daily Min.	Daily Mean		No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
t Lerwick	54	55	15th	40	18th	51·9	44·9	48·2	− 0·4	6	0·48	12	+ 2									
p Deerness, Orkney	165	63	16th	42	18th	55·7	44·6	49·8	0·0	4	0·35	9	− 2	Deerness	5·5	− 0·4	30	—	—	—	—	—	—
a, Islands *t* Stornoway	51	66	16th	41	18th	57·4	48·6	52·7	+1·2	4	0·31	8	− 6	Stornoway	4·8	− 1·7	27	—	—	—	—	—	—
t Castlebay, Barra I.	37	59	16th	47	12, 18	54·4	49·1	51·6	—	4	0·07	2	—	Castlebay	2·8	—	16	—	—	—	—	—	—
t Wick	81	67	14, 16	41	12th	57·4	44·9	50·7	− 0·1	6	0·28	7	− 4										
a Strathpeffer	125																						
b, Mainland. *p* Glencarron	500	66	16th	38	18th	57·3	45·6	51·0	− 1·3	5	0·35	9	− 15										
a Fort Augustus	68																						
p Fort William	171	72	16th	40	18th	63·1	47·6	54·8	+0·2	4	0·20	5	−15										
1. SCOTLAND, E.																							
t Nairn	82	75	16th	41	12th	63·7	47·3	54·9	+1·8	4	0·48	12	+ 1	Nairn	7·3	—	41	—	—	—	—	—	—
p Gordon Castle	101	73	16th	42	12th	63·9	46·3	54·5	+1·1	3	0·13	3	− 9	Gordon Castle	6·9	—	38	—	—	—	—	—	—
t Aberdeen	46	76	14th	43	18th	63·1	48·7	55·4	+2·9	1	0·04	1	− 9	Aberdeen	7·5	+1·1	42	0	38	—	—	51·8	+1·8
a Balmoral	930	70	14th	37	18th	63·7	44·4	53·4	+1·9	2	0·07	2	−10	Balmoral	—	—	—	0	32	—	—	—	—
p Crieff	432	75	16th	38	18th	65·6	46·3	55·3	+0·5	3	0·11	3	−13	Crathes	6·3	+0·1	36	0	35	54·8	− 0·3	49·9	− 1·0
a Dundee	244	78	14th	39	18th	68·1	46·0	56·3	+2·0	2	0·06	2	− 9	Dundee	6·8	—	38	0	33	57·4	—	—	—
t Leith	30	74	16th	45	12th	65·7	50·4	57·5	+2·8	2	0·06	1	− 9	Leith	—	—	—	0	41	—	—	—	—
p Edinburgh	441	73	15th	43	18th	65·1	48·3	56·1	+3·1	2	0·06	1	−11	Edinburgh	7·4	+0·9	42	0	40	—	—	—	—
a West Linton	769	74	16th	36	18th	63·1	45·1	53·5	+2·2	2	0·12	3	—	West Linton	—	—	—	0	31	—	—	—	—
a Marchmont	498	—	—	42	12, 18	—	48·1	—	—	1	0·03	1	−13	Marchmont	6·1	− 0·4	35	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	70	16th	42	12th	60·8	46·9	53·4	—	5	0·31	8	—	Ford (Argyll)	—	—	—	0	39	58·1	—	52·7	—
t Renfrew	49	73	16th	44	18th	64·3	49·9	56·6	—	2	0·20	5	—	Renfrew	8·0	—	46	0	33	—	—	—	—
p Rothesay	200	70	16th	43	12th	61·6	48·1	54·4	− 0·4	3	0·34	9	− 9	Rothesay	6·0	—	34	0	39	58·3	—	53·0	+0·8
a Kilmarnock	90	76	17th	43	18th	66·9	49·0	57·3	+3·2	2	0·36	9	− 5	Kilmarnock	7·3	—	42	—	—	58·9	—	52·9	—
a Colmonell	170	68	15th	46	12th	61·6	49·1	54·9	+1·4	3	0·17	4	−11	Colmonell	—	—	—	0	40	—	—	—	—
p Dumfries	160	74	16th	42	12th	66·0	48·6	56·7	+0·9	1	0·03	1	−13	Dumfries	9·0	—	52	0	42	57·9	− 1·2	53·2	− 1·9
t Eskdalemuir	794	72	16th	38	18th	64·0	46·0	54·4	—	2	0·13	3	—	Eskdalemuir	7·7	—	44	0	33	—	—	—	—
b, I. OF MAN *h* Douglas	284	67	15th	43	12th	62·7	48·7	55·2	+0·9	1	0·02	1	−13	Douglas	7·8	− 0·1	46	0	39	—	—	—	—
2. ENGLAND, N.E.																							
a Ainwick Castle	210	81	14th	44	12th	67·7	49·3	57·9	+4·7	2	0·03	1	−10	Cockle Park	7·5	+1·4	43	0	33	58·6	+2·6	53·4	+1·2
t Tynemouth	118	74	14th	44	12th	63·4	50·7	56·6	+3·6	1	0·04	1	− 9	Durham	6·7	+0·8	39	0	31	—	—	—	—
p Durham	336	79	14th	41	12th	68·0	47·6	57·1	+3·2	0	0·00	0	−10	Rounton	—	—	—	1	26	57·9	—	—	—
a North ... *p* Rounton	249	78	14th	45	18th	68·6	49·3	58·3	+4·8	2	0·12	3	− 9	West Witton	—	—	—	0	33	57·3	—	51·1	—
a West Witton	605	76	15th	42	12s 18	68·7	47·3	57·3	—	1	0·01	0·3	—	Scarborough †	—	—	—	—	—	—	—	—	—
h Scarborough	118																						
p York	56	78	17th	42	12th	69·3	49·7	58·8	+2·6	0	0·00	0	−11	York	6·2	+0·2	36	—	—	58·2	+1·6	54·2	+1·6
t Spurn Head	26	76	17th	48	12th	63·0	50·9	56·5	+1·9	0	0·00	0	− 8										
b, South .. *a* Lincoln	58	82	17th	41	12th	69·3	49·7	58·8	+1·9	1	0·04	1	−10	Lincoln	—	—	—	0	38	58·8	0·0	54·7	+1·4
a Fulbeck	180	84	17th	38	12th	70·3	48·0	58·4	+2·1	1	0·03	1	− 9	Fulbeck	7·9	+1·2	47	0	32	—	—	—	—
														Skegness	6·3	− 0·9	39	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	78	17th	43	12th	64·6	47·3	55·4	+1·1	1	0·03	1	− 10	Cromer	6·0	− 0·4	36	—	—	—	—	—	—
a Little Massingham	277	80	17th	37	12th	65·7	46·3	55·3	− 0·2	0	0·00	0	− 14	Lit Massingham	6·2	− 0·1	37	—	—	—	—	—	—
t Yarmouth	13	69	17th	46	12, 14	62·4	49·0	55·2	+0·4	2	0·04	1	−10	Yarmouth	7·3	—	44	0	40	59·6	− 2·0	56·1	− 0·8
a Norwich	93	82	17th	41	12th	68·6	48·0	57·6	+1·9	2	0·39	10	− 2	Norwich	5·5	—	33	0	36	61·2	—	—	—
a Geldeston	37	80	17th	38	12th	67·3	45·3	55·5	+0·3	1	0·04	1	− 10	Geldeston	6·1	− 0·7	37	—	—	—	—	—	—
p Cambridge	41	84	17th	38	12th	71·4	47·1	58·4	+2·0	0	0·00	0	−13	Cambridge	6·9	+0·3	41	1	30	60·8	+0·7	56·1	+0·3
t Clacton-on-Sea	54	67	15th	42	12th	63·1	50·1	56·2	+0·8	1	0·06	2	− 8	Clacton-on-Sea	7·1	− 0·1	43	0	39	59·2	+0·5	56·1	+0·2
a Rothamsted	420	80	17th	40	12th	69·0	48·9	58·3	+3·0	0	0·00	0	−13	Rothamsted	7·0	+0·5	42	1	29	59·3	—	—	—
p Tottenham	51	83	17th	46	12th	73·0	54·0	62·8	—	0	0·00	0	—	Tottenham	6·9	—	42	0	44	—	—	59·7	+2·9
														Southend	8·0	—	49	0	41	62·6	+1·7		
4. MIDLAND COUNTIES.																							
a North .. *h* Harrogate	479	74	15th	39	12th	68·1	46·4	56·5	+2·6	1	0·01	0·2	−11	Harrogate	8·1	+1·4	48	0	32	56·9	+2·3	54·2	+1·8
p Sheffield	429	78	17th	45	12th	68·7	51·6	59·6	—	1	0·06	2	—	Sheffield	7·9	+2·0	47	0	38	57·7	+1·8	53·4	+2·5
h Buxton	987													Buxton		—							
a Worksop	56	84	17th	39	12th	72·7	47·9	59·4	+3·8	1	0·06	2	− 7	Worksop	6·7	+1·0	39	1	28	59·8	—	55·0	—
t Nottingham	82	82	17th	44	12th	70·7	50·0	59·6	+3·5	1	0·01	0.3	− 9	Nottingham	7·1	+1·0	42	0	32	61·1	+2·3	55·4	+1·4
b, East .. *p* Birmingham, Edgbsn.	525	80	17th	43	12th	69·3	51·0	59·5	+3·6	0	0·00	0	− 11	Birmingham	6·2	+1·0	37	1	28	57·4	+3·8	51·1	+1·2
a Raunds	203	83	17th	37	12th	70·3	48·4	58·6	+2·2	0	0·00	0·1	− 9	Raunds	7·5	—	45	0	34	61·1	—	—	—
p Oxford	208	83	17th	43	12th	72·1	51·6	61·1	+4·2	0	0·00	0	−11	Oxford	8·1	+1·4	49	0	35	—	—	—	—
														Malvern	7·4	—	45	0	39	61·5	—	57·2	—
a Cheadle (N. Staffs.)	646	78	17th	40	12th	67·7	48·9	57·7	+3·2	1	0·01	0·3	−12	Cheadle	—	—	—	0	38	—	—	—	—
c, West .. *p* Tenbury	313	84	17th	38	12th	72·6	47·0	58·9	+3·4	0	0·00	0	−10	Tenbury	—	—	—	0	33	60·5	—	—	—
a Hereford	291	83	16th	38	12th	72·4	48·7	59·7	+3·4	0	0·00	0	−10	Ross on Wye	8·0	—	48	1	30	63·2	—	56·8	—
a Clifton	225	80	16th	45	12th	71·6	51·9	61·1	+3·1	0	0·00	0	−12	Clifton	8·1	—	49	0	44	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	82	17th	34	12th	71·7	46·0	58·0	+2·9	0	0·00	0	−13	Worthing	8·8	+1·2	54	0	40	62·0	+0·6	57·1	+0·9
a Porton	340	83	17th	32	12th	73·5	45·1	58·3	—	0	0·00	0	—	Marlborough	6·4	+0·3	39	0	32	60·8	—	55·0	—
a Wisley, Surrey	150	85	17th	37	12th	73·3	48·1	59·8	+3·3	0	0·00	0	−10	Porton	—	—	—	1	28	62·2	—	—	—
h Tunbridge Wells	354	79	17th	40	12th	70·3	48·0	58·4	+2·1	0	0·00	0	−11	Wisley, Surrey	7·2	+0·4	44	1	25	60·5	+0·7	55·8	+0·2
h Margate	51	72	17th	51	12, 17	63·6	53·0	57·9	+1·3	0	0·00	0	−10	Tunbridge Wells	7·7	+0·9	47	1	29	60·6	− 0·5	56·6	—
														Margate	6·5	0·0	39	0	43	63·4	+4·6	59·3	+3·9
t Dungeness	21	70	15th	40	12th	64·3	51·4	57·4	+1·5	0	0·00	0	− 9	Folkestone	8·6	—	53	0	40	—	—	55·6	—
h St. Leonards	178	73	15th	46	12th	65·3	51·7	58·0	+1·6	0	0·00	0	−10	St. Leonards	8·9	+1·4	54	0	41	62·1	—	56·7	—
p Southampton	64	75	15, 17	45	12th	70·6	51·0	60·1	+1·9	0	0·00	0	−11	Southampton	8·5	+1·5	52	0	34	—	—	—	—
a Ventnor	59	72	15th	45	12th	67·1	53·3	59·7	+2·6	0	0·00	0	−10	Ventnor	9·7	+2·6	59	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	83	17th	44	12th	71·7	51·4	60·8	+3·2	0	0·00	0	−12	Richmond	7·1	+0·6	43	0	33	61·2	+2·0	55·6	+1·0
a Westminster	27	84	17th	45	12th	72·4	53·0	62·0	+3·9	0	0·00	0	−10	Westminster	6·8	+1·0	41	0	39	—	—	—	—
ag Greenwich	149	86	17th	46	12th	74·4	50·4	61·6	+3·5	0	0·00	0	−11	Greenwich	6·8	+0·2	41	0	35	—	—	—	—
a Hampstead	450	84	17th	42	12 h	72·1	50·4	60·5	—	0	0·00	0	--	Hampstead	7·1	—	43	1	30	—	—	—	—
ag Camden Square	110	86	17th	45	12th	75·1	52·1	62·8	+3·5	0	0·00	0	−11	Camden Square	—	—	—	0	41	62·2	—	56·1	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	71	15th	42	12, 18	63·3	47·9	55·1	+0·2	2	0·05	1	−12	Aspatria	6·6	− 0·8	39	0	38	56·1	− 1·4	52·5	+0·7
p Newton Rigg	559	76	16th	41	12, 18	67·7	45·6	55·9	+1·4	1	0·01	0·3	−11	Newton Rigg	7·7	+0·2	45	0	35	—	—	—	—
p Stonyhurst	375	73	16th	43	12th	65·4	49·7	57·0	+1·8	1	0·24	6	−10	Stonyhurst	6·5	+0·3	38	0	40	—	—	—	—
h Blackpool	66	65	15th	49	12, 18	61·4	51·3	56·0	+0·6	3	0·12	3	− 8	Blackpool	7·0	− 1·1	41	0	42	58·0	—	53·5	—
h Southport	37	66	17th	49	12, 18	62·0	51·1	56·2	+0·4	2	0·07	2	− 9	Southport	7·6	− 0·3	45	1	43	62·2	+1·7	57·7	+1·2
														Hoylake	7·4	+0·1	44	—	—	—	—	—	—
t Liverpool (Bidston)	188	68	17th	48	12th	62·6	50·7	56·2	− 0·2	1	0·04	1	−10	Liverpool	7·0	—	42	0	40	—	—	—	—
a Hawarden Bridge	22	73	16, 17	45	12th	66·4	50·7	58·0	+1·0	1	0·02	0·4	−10	Manchester City	6·7	+0·5	40	0	43	61·2	+3·2	57·2	+2·8
p Manchester (Whit. Pk.)	125	81	16th	42	12th	68·7	49·7	58·5	+1·2	1	0·13	3	−11	„ Whit. Pk.	5·9	0·0	35	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	73	17th	42	12th	63·3	49·9	56·1	− 0·3	1	0·02	0·4	−11	Llandudno	7·2	− 0·7	42	—	—	—	—	—	—
t Holyhead	15	65	14th	46	17th	61·4	50·3	55·5	+0·6	1	0·04	1	−10	Holyhead	5·9	—	35	0	40	—	—	—	—
a Aberdovey	60	75	15th	49	12th	65·9	53·0	59·0	—	2	0·20	5	—	Aberdovey	6·5	− 0·8	39	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	67	15th	45	12th	62·7	50·6	56·2	—	2	0·06	2	—	Aberystwyth	6·4	− 0·4	39	—	—	—	—	—	—
a Rhayader	757	77	17th	35	12th	66·3	43·9	54·3	—	1	0·50	13	—	Rhayader ..	7·8	—	47	1	24	—	—	—	—
t Pembroke	149	69	15, 17	48	12th	64·4	52·3	57·9	+3·1	0	0·00	0	−11	Pembroke ..	9·7	+2·0	59	—	—	—	—	—	—
p Cardiff	202	80	16th	43	12th	71·4	52·3	61·2	+4·5	1	0·03	1	−14	Cardiff ..	9·0	—	55	0	32	62·0	+1·9	56·1	+1·0
b, ENGLAND, S.W.																							
h Bath	66	81	17th	41	12th	72·3	50·1	60·4	+3·3	0	0·00	0	−13	Bath	6·2	− 0·9	38	—	—	61·8	+1·6	57·8	+1·6
a Shaftesbury	722	80	17th	43	12th	70·6	50·0	59·6	+4·0	0	0·00	0	−13	Shaftesbury ..	—	—	—	—	—	60·5	—	55·0	—
a Arlington	613	77	16th	39	12th	68·7	49·8	58·6	+3·6	1	0·03	1	−18										
h Newquay	190	74	16th	48	12th	64·9	53·3	58·7	+2·8	1	0·02	0·4	−12	Newquay ..	9·8	+2·2	60	—	—	63·3	—	55·9	—
a Cullompton	202	85	17th	39	12th	76·1	48·3	61·2	+4·3	1	0·02	1	−11	Cullompton ..	9·4	+2·6	58	1	30	65·3	—	—	—
t Portland Bill	19	68	15th	49	12, 13	64·7	52·6	58·2	+2·2	0	0·00	0	− 8	Weymouth ..	10·4	—	64	—	—	—	—	—	—
p Plymouth	116	75	16th	45	12th	70·1	53·1	61·0	+3·7	0	0·00	0	−12	Plymouth ..	10·6	+3·2	65	0	41	65·1	+4·9	57·2	—
a Falmouth	167	77	17th	48	12th	70·4	53·7	61·5	+5·1	0	0·00	0	−13	Falmouth ..	10·5	+2·6	64	0	41	64·2	—	60·4	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	76	16th	49	12, 15	66·3	51·1	58·2	—	0	0·00	0	—	Mallarany ..	8·3	—	49	0	42	—	—	—	—
p Markree Castle..	122	78	16th	45	12th	64·9	49·7	56·8	+2·5	2	0·06	2	−14	Markree Castle	6·1	+0·1	36	0	38	59·7	+1·1	53·3	+0·1
p Armagh..	204	76	16th	45	12th	68·4	51·0	59·1	+4·1	2	0·02	0·4	−14	Armagh ..	6·8	+0·8	40	0	41	58·6	+0·9	54·0	+0·4
b, East .. *t* Donaghadee ..	35	65	12th	46	12th	60·9	49·4	54·8	+0·6	2	0·09	2	−11										
10. IRELAND, S.																							
p Dublin City	54	73	17th	48	12th	67·1	53·6	59·9	+2·8	1	0·01	0·3	− 9	Trinity Coll.	6·2	—	37	0	40	60·1	+1·9	55·3	+1·0
t Birr Castle	175	79	16th	47	12th	69·7	51·3	59·9	+4·2	1	0·32	8	− 3	Phœnix Park	8·2	+1·6	48	1	28	—	—	—	—
a Kilkenny	195	80	16th	41	12th	72·0	49·9	60·2	+4·3	2	0·02	1	−10	Dublin City ..	—	—	—	0	45	—	—	—	—
a Waterford	137	78	17th	42	12th	71·6	50·5	60·3	+3·6	0	0·00	0	−12	Birr Castle ..	7·1	+1·4	42	0	40	—	—	—	—
p Seskin, Carrick-on-Suir	542	79	17th	44	12th	73·0	50·4	60·9	—	1	0·01	0·3	—	Seskin ..	9·1	—	55	0	32	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	78	16th	45	12th	68·0	52·0	59·4	+3·1	2	0·17	4	− 8										
t Cahirciveen (Val. Obs.)	30	70	15, 16	45	12th	64·7	51·4	57·6	+1·7	1	0·04	1	−14	Cahirciveen ..	9·1	+2·5	55	0	39	—	—	—	—
a Killarney	174	83	16th	44	12th	73·4	51·3	61·6	+5·3	0	0·00	0	−13	Ballinacurra	10·2	+3·6	62	—	—	—	—	—	—
t Roche's Point	32	76	17th	47	12th	69·3	53·9	61·1	+5·0	1	0·01	0·2	−12										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	73	17th	52	12th	66·4	54·4	60·0	+3·7	0	0·00	0	− 8	Scilly ..	11·0	+2·9	68	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	74	16, 17	50	12th	68·7	54·6	61·2	+3·3	0	0·00	0	−10	St. Heliers ..	11·1	+2·9	68	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	72	17th	50	12th	67·7	53·7	60·2	+2·7	0	0·00	0	− 8	Guernsey† ..	11·9	+3·5	73	0	33	63·4	+2·7	59·3	+2·1

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 18th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	More than 17 m/s. or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h. m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	0	11, 14, 16, 17	39	61	65	3	0	320	14	17	12	—	—	— —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	0	—	0	0	79	89	0	360	5	17	17	14	17	16 5
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	17	118	33	0	280	8	17	10	—	—	— —
Edinburgh	485	39	31	—	0	—	0	57	84	27	0	260	10	14	8	15	14	7 35
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	0	—	0	46	73	49	0	290	11	13	6	19	13	5 35
Paisley	188	81	15	—	0	—	0	44	113	11	0	310	8	17	16	15	17	15 50
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	0	—	0	4	93	60	11	320	7	17	14	15	17	18 5
South Shields	72	61	12	—	0	—	0	39	94	35	0	290	9	13	3	16	13	2 35
Spurn Head	66	40	‡	Instrument dismounted.														
3. ENGLAND, E.																		
Gorleston	52	42	‡	—	0	—	0	60	97	11	0	40	11	18	4	14	18	4 30
Shoeburyness	103	90	‡	—	0	—	0	4	54	110	0	30	6	18	8	11	13	11 30
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	0	—	0	18	113	37	0	340	8	13	15	14	13	14 55
5. ENGLAND, S.E.																		
Brighton	261	53	6	—	0	—	0	32	100	36	0	—	9	18	7	15	18	7 40
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	66	97	5	0	260	11	12	17	14	13	12 15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	5	116	47	0	320 / 30	13 / 6	13 / 18	13 / 9	12	12	15 40
7. ENGLAND, N.W.																		
Fleetwood (Cup Anr.) ..	109	44	—	—	0	13, 17	18	71	68	11	0	290	15	13	9	—	—	— —
Southport	80	62	48	—	0	12, 13	15	71	60	22	0	280	13	13	3	16	13	12 50
Holyhead	60	40	‡	—	0	12	4	64	89	11	0	250	12	12	21	17	12	20 30
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	—	0	18	1	49	31	15	72	20	12	18	11	16	18	11 20
Plymouth	185	88	2	—	0	—	0	14	89	65	0	—	8	13	12	14	13	11 5
Lyme Regis	556	61	‡	—	0	—	0	15	89	64	0	—	9	13	12	13	13	12 50
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	0	12	10	44	78	36	0	230	14	12	12	—	—	— —
Quilty	100	40	‡‡‡‡	—	0	12	7	46	89	26	0	—	11	12	9	16	12	6 25
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	—	0	27	88	53	0	340	8	18	16	11	18	17 40
Weaver Pt.	160	30	‡‡‡‡															
11. ENGLISH CHANNEL.																		
Scilly	150	32	‡	—	0	—	0	6	88	74	0	—	7	13	3	10	13	1 30

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FOURTH WEEK of 1921—June 12th to June 18th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	72	38	87·1	80·9	83·8	− 0·3	67	− 5	0	− 1	5	+ 1	0·32	8	− 8	5·1	− 0·5	29	1023
Eastern.																			
1. SCOTLAND, EAST ..	76	36	90·8	81·3	85·7	+ 0·9	90	+10	0	0	2	− 1	0·13	3	−10	6·9	+ 0·6	39	1024
2. ENGLAND, N.E. ..	84	38	92·7	82·7	87·3	+ 1·9	111	+25	0	0	1	− 2	0·03	1	− 9	6·9	+ 0·5	41	1025
3. ENGLAND, EAST ..	84	37	92·6	82·1	87·0	+ 0·8	106	+10	0	0	1	− 2	0·06	2	−10	6·7	0·0	40	1025
4. MIDLAND COUNTIES	84	37	94·6	82·5	88·1	+ 1·9	120	+23	0	0	0	− 3	0·00	0	−10	7·5	+ 1·2	45	1025
5. ENGLAND, S.E. ..	85	32	93·6	82·9	87·9	+ 1·2	118	+15	0	0	0	− 3	0·00	0	−10	7·9	+ 0·8	48	1025
Western.																			
6. SCOTLAND, WEST ..	76	42	90·4	82·2	86·1	+ 0·5	95	+ 6	0	0	2	− 1	0·20	5	−12	—	—	—	1025
7. ENGLAND, N.W. ..	81	41	91·1	82·7	86·6	+ 0·5	102	+ 8	0	0	1	− 2	0·07	2	−10	7·0	− 0·1	42	1027
8. ENGLAND, S.W. ..	85	35	93·8	83·3	88·2	+ 1·8	122	+23	0	0	1	− 2	0·06	2	−12	8·8	+ 1·6	53	1027
9. IRELAND NORTH ..	79	45	91·9	83·2	87·3	+ 1·7	110	+21	0	0	2	− 2	0·12	3	−12	6·4	+ 0·5	38	1027
10. IRELAND, SOUTH ..	83	41	93·8	83·9	88·6	+ 2·2	126	+26	0	0	1	− 2	0·07	2	−10	8·6	+ 2·4	51	1028
11. ENGLISH CHANNEL..	74	50	92·8	85·3	88·8	+ 1·9	130	+24	0	0	0	− 3	0·00	0	− 8	11·3	+ 3·1	70	1027
MEAN: DISTRICTS 1-10	85	32	92·5	82·7	87·3	+ 1·3	110	+17	0	0	1	− 2	0·07	2	−11	7·4	+ 0·8	44	1026

THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, May 29th to June 18th, 1921.

0. SCOTLAND, NORTH ..	78	35	87·5	80·5	83·8	+ 0·1	197	− 2	0	− 2	13	+ 2	1 49	38	− 5	5·4	− 0·2	30	1018
Eastern																			
1. SCOTLAND, EAST ..	76	31	89·8	79·8	84·5	+ 0·2	222	0	0	− 1	9	0	1·01	25	− 10	7 7	+ 1·4	44	1018
2. ENGLAND, N.E. ..	84	34	90·8	81·3	85·7	+ 0·6	273	+27	0	0	6	− 3	0·42	11	− 21	8·0	+ 1·8	47	1020
3. ENGLAND, EAST ..	84	36	91·6	82·0	86·5	+ 0·4	300	+15	0	0	4	− 5	0·28	8	− 27	7·3	+ 0·4	44	1020
4. MIDLAND COUNTIES	84	35	92·8	81·2	86·6	+ 0·6	304	+20	0	0	4	− 5	0·44	11	− 25	8·0	+ 1·7	49	1020
5. ENGLAND, S.E. ..	85	32	92·5	82·4	87·1	+ 0·5	324	+20	0	0	3	− 6	0·33	8	− 26	7·6	+ 0·4	47	1020
Western.																			
6. SCOTLAND, WEST ..	76	37	90·1	80·9	85·2	0·0	250	− 3	0	0	8	− 2	1·56	39	− 7	—	—	—	1020
7. ENGLAND, N.W. ..	81	35	90 1	81·6	85·6	− 0·1	265	− 3	0	0	6	− 3	0·53	14	− 22	8·3	+ 1·4	50	1021
8. ENGLAND, S.W. ..	85	35	92·1	82·4	86·9	+ 0·7	314	+26	0	0	5	− 4	0·60	15	− 24	8·5	+ 1 6	52	1021
9. IRELAND, NORTH ..	79	35	89·8	81·3	85·3	+ 0·1	255	+ 4	0	0	8	− 3	0·79	20	− 23	6·9	+ 0·9	41	1021
10. IRELAND, SOUTH ..	83	33	91·5	81·9	86·4	+ 0·4	298	+14	0	0	6	− 3	0·67	17	− 24	8·5	+ 2·1	51	1022
11. ENGLISH CHANNEL..	74	45	90·9	84·7	87·6	+ 0·9	341	+35	0	0	5	− 4	0·38	10	− 23	9·0	+ 1·1	56	1021
MEAN: DISTRICTS 1-10..	85	31	91·1	81·5	86·0	+ 0·3	281	+12	0	0	6	− 3	0·66	17	− 21	7·9	+ 1·3	47	1020

THE YEAR. Aggregates, &c., for the Period of 24 Weeks, January 2nd to June 18th, 1921.

0. SCOTLAND, NORTH ..	78	16	83·1	76·5	79·7	+ 1·0	713	+132	348	−191	110	− 1	25·34	646	+88	3·7	+ 0·3	29	1012
Eastern.																			
1. SCOTLAND, EAST ..	76	8	83·8	75·8	79·6	+ 0·9	781	+112	451	−166	85	− 9	10·87	273	− 42	4·6	+ 0·7	37	1014
2. ENGLAND, N.E. ..	84	22	85·0	77·3	81·0	+ 1·6	1039	+298	250	−222	70	−16	6·30	162	− 81	4·6	+ 0·5	37	1017
3. ENGLAND, EAST ..	84	23	85·7	77·6	81·5	+ 1·7	1197	+306	227	−267	60	−24	5·51	142	− 99	5·1	+ 0·7	41	1018
4. MIDLAND COUNTIES	84	23	85·7	77·2	81·3	+ 1·5	1135	+219	253	−269	68	−15	6·64	169	−103	4·5	+ 0·6	36	1018
5. ENGLAND, S.E. ..	85	21	86·0	78·1	81·9	+ 1·4	1251	+276	170	−209	67	−15	6·38	163	−110	5·0	+ 0·5	41	1019
Western.																			
6. SCOTLAND, WEST ..	76	19	84·1	77·3	80·6	+ 0·9	882	+115	240	−176	104	+ 4	20·31	515	+ 29	—	—	—	1016
7. ENGLAND, N.W. ..	81	20	84·6	78·0	81·2	+ 1·2	1002	+192	161	−221	82	− 7	11·55	294	− 47	4·7	+ 0·6	38	1018
8. ENGLAND, S.W. ..	85	22	85·5	78·4	81·8	+ 1·2	1169	+223	131	−170	77	−12	10·05	255	−137	5·0	+ 0·6	41	1019
9. IRELAND, NORTH ..	79	23	84·7	77·9	81·2	+ 1·0	1000	+173	148	−192	100	− 8	12·59	319	− 74	4·0	+ 0·2	32	1015
10. IRELAND, SOUTH ..	83	23	85·6	78·5	81·9	+ 0·9	1171	+162	117	−143	95	− 1	12·50	318	−104	4·2	0·0	34	1019
11. ENGLISH CHANNEL..	74	32	85·8	80·5	83·5	+ 1·6	1394	+262	27	− 78	78	−17	7·19	182	−144	5·6	+ 0·5	45	1020
MEAN: DISTRICTS 1-10 ..	85	8	85·1	77·6	81·2	+ 1·2	1063	+208	215	−204	81	−10	10·27	261	− 77	4·6	+ 0·5	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
24th June, 1921.

METEOROLOGICAL OFFICE 11 JUL 1921 LIBRARY 97

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37 PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

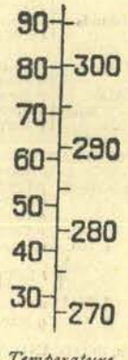
FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 25.

TWENTY-FIFTH WEEK.
SUNDAY, JUNE 19TH, TO SATURDAY, JUNE 25TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

During the past week atmospheric conditions over the British Isles were mainly anticyclonic and the weather was generally fine, with a few showers in places. The highest temperatures of the week (which were also the highest up to date for the year) occurred on the 25th, when readings of about 304 a were registered at several stations, and during the following night thunderstorms were widespread and of long duration, though there was only a slight fall of rain. During the earlier part of the week in some parts of Scotland and the north of England the maximum temperatures were comparatively low; at Balmoral and Aberdeen on the 21st the day temperature did not rise above 283 a. The minima varied considerably; the night of the 24th to 25th was generally very warm over England with readings of about 289 a in several places, but on the morning of the 19th readings as low as 275 a were recorded at a number of stations in the eastern and southern parts of England, while on the same date the grass thermometer registered readings considerably below the freezing point. The mean temperature was above the normal in all districts with the exception of Scotland N. and England E. and the mean daily range of temperature for the week was more than 11 a in several places. Rainfall was again less than the normal in all districts. The largest amounts reported were 15mm. at Ford (Argyll) on the 22nd, 25mm. at Cullompton (Devon) and 15mm. at Jersey on the 25th. The largest records of bright sunshine were mostly on the 23rd or 24th, when between 14 and 15 hours were obtained at a number of stations; Cardiff had 15·1 hours and Guernsey 15·0 hours on the 23rd and Yarmouth 15·3 hours and Felixstowe 15·0 hours on the 24th. On the south-east coast the air has been remarkably clear, and observers report that they have seen the coast of France exceptionally well. Solar halos were observed on various dates at Aberdeen, Greenwich, Oxford, Ross-on-Wye and St. Leonards.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	5	4·6	13	1·7	5	3·4	3	2·4	8	2·7	7	2·0	14	3·1	9	1·4
North	19	4·6	6	2·4	18	3·6	14	2·4	15	3·6	19	3·4	7	3·5	11	5·3
West	22	5·3	25	5·1	13	1·9	14	2·6	22	4·6	13	3·2	16	7·3	15	4·6
East	4	2·3	0	—	9	2·1	3	2·9	1	1·6	11	3·7	10	2·8	4	1·9
Calm	1	—	3	—	3	—	10	—	3	—	2	—	1	—	8	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *see below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ..	Moderate	Moderate	Moderate	Moderate	Light	Light	Light	Light	Light	Very Light	Nought	Moderate
Sunshine ..	—	Scanty	Moderate	Moderate	Moderate	Moderate	—	Scanty	Abundant	Very Scanty	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 4 weeks from May 29th, 1921. Warmth ..	0, 4, 0	0, 4, 0	2, 2, 0	1, 3, 0	3, 1, 0	2, 2, 0	0, 4, 0	1, 3, 0	3, 1, 0	2, 1, 1	2, 1, 1	3, 1, 0
Rainfall ..	0, 3, 1	0 3, 1	0, 2, 2	0, 2, 2	0, 1, 3	0, 2, 2	1, 1, 2	0, 1 3	0, 1, 3	0, 1, 3	0, 1, 3	0, 2, 2
Sunshine ..	—	3, 0, 1	2, 2, 0	0, 4, 0	3, 1, 0	1, 3, 0	—	2, 1, 1	3, 1, 0	1, 2, 1	3, 1, 0	2, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

*DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week											Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	56	25th	39	21, 22	50·6	44 0	47·1	− 2·9	4	0·51	13	0										
p Deerness, Orkney	165													Deerness									
a, Islands t Stornoway	51	69	23th	44	22nd	57·1	48·6	52·6	− 0·1	5	0·87	22	+ 5	Stornoway	1·2	− 4·2	7	—	—	—	—	—	—
t Castlebay, Barra I.	37	56	24, 25	46	21st	54·4	50·9	52·5	—	6	0·81	21	—	Castlebay	0·1	—	1	—	—	—	—	—	—
t Wick	81	62	23rd	40	21st	55·1	45·9	50·2	− 1·9	6	0·47	12	− 2										
a Strathpeffer	125	71	24th	40	21st	62·7	47·9	54·8	− 0·2	3	0·73	19	+ 5										
b, Main- p Glencarron	500	61	24th	41	20, 21	55·4	47·3	51·1	− 2·2	5	1·12	28	− 2										
land. a Fort Augustus	68	74	25th	38	21st	62·7	46·6	54·1	− 0·3	0	0·00	0	− 15										
p Fort William	171	76	25th	40	21st	62·1	49·1	55·2	− 0·4	5	0.50	13	− 13										
1. SCOTLAND, E.																							
t Nairn	82	73	25th	41	21st	62·7	47·0	54·3	0·0	6	0·41	11	− 2	Nairn	2·3	—	13	—	—	—	—	—	—
p Gordon Castle	101	74	25th	41	21, 22	61·7	47·4	54·1	− 0·5	6	0·87	22	+ 6	Gordon Castle	3·0	—	17	—	—	—	—	—	—
t Aberdeen	46	80	25th	41	21st	62·3	49·6	55·5	+1·7	5	0·58	15	+ 2	Aberdeen	4·5	− 1·0	25	0	38	—	—	52·4	+1·7
a Balmoral	930	76	25th	37	21st	61·9	41·6	51·0	− 1·6	5	0·46	12	− 3	Balmoral	—	—	—	0	33	—	—	—	—
p Crieff	432	79	25th	41	21st	65·1	47·7	55·8	− 0·2	4	0·19	5	−14	Crathes	3·5	− 1·8	20	0	34	54·0	− 1·8	50·4	− 1·5
a Dundee	244	83	25th	40	19, 21	68·4	47·0	57·0	+1·4	3	0·14	4	−10	Dundee	5·1	—	29	0	36	57·7	—	—	—
t Leith	30	79	25th	45	21st	64·1	50·7	56·9	+0·9	2	0·08	2	−11	Leith	—	—	—	0	44	—	—	—	—
p Edinburgh	441	81	25th	43	21st	65·4	50·3	57·3	+3·1	2	0·03	1	−13	Edinburgh	4·8	− 0·8	28	0	45	—	—	—	—
a West Linton	769	78	25th	38	21st	62·1	47·3	54·2	+1·7	5	0·22	6	—	West Linton	—	—	—	0	33	—	—	—	—
a Marchmont	498	—	—	40	21st	—	47·3	—	—	4	0·36	9	− 8	Marchmont	4·6	− 1·0	26	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	74	25th	41	21st	60·4	49·8	54·7	—	7	0·90	23	—	Ford (Argyll)	—	—	—	0	39	57·6	—	58·8	—
t Renfrew	49	80	25th	45	21st	63·0	50·4	56·3	—	1	0·17	4	—	Renfrew	2·8	—	16	0	43	—	—	—	—
p Rothesay	200	73	25th	43	21st	59·6	48·9	53·9	− 1·8	5	0·44	11	−13	Rothesay	2·5	—	14	0	41	58·0	—	54·0	+1·0
a Kilmarnock	90	79	25th	43	21st	64·3	49 7	56·5	+1·5	3	0·61	16	− 3	Kilmarnock	2·4	—	14	—	—	58·1	—	53·6	—
a Colmonell	170													Colmonell	—	—	—						
p Dumfries	160	78	25th	46	21st	65·0	52·6	58·4	+1·7	2	0·07	2	−17	Dumfries	4·6	—	27	0	43	58·4	− 1·2	54·2	− 2·0
t Eskdalemuir	794	76	25th	39	21st	62·6	48·0	54·8	—	4	0·26	7	—	Eskdalemuir	4·2	—	24	0	32	—	—	—	—
b, I. OF MAN h Douglas	284	73	25th	48	19th	62·7	52·7	57·4	+2·2	1	0·05	1	−18	Douglas	4·2	− 2·3	25	0	44	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	83	25th	35	21st	67·8	47·9	57·2	+2·3	4	0·63	16	0	Cockle Park	5·3	− 0·3	31	0	31	58·3	+1·9	54·3	+1·4
t Tynemouth	118	80	25th	43	21st	64·7	50·3	57·0	+2·3	3	0·22	6	− 8										
a North p Durham	336	83	25th	40	19th	69·1	47·3	57·4	+1·6	4	0·42	11	− 3	Durham	5·6	+0·2	33	0	33	—	—	—	—
p Rounton	249	84	25th	40	19th	69·7	49·3	58·8	+3·7	3	0·32	8	− 9	Rounton	—	—	—	1	29	58·3	—	—	—
a West Witton	605	86	25th	40	19th	69·1	49·6	58·7	—	2	0·29	7	—	West Witton	—	—	—	0	34	57·7	—	52·0	—
h Scarborough	118	80	25th	45	19th	65·0	51·1	57·6	+1·5	2	0·16	4	− 9	Scarborough †	4·3	− 1·2	26	—	—	—	—	57·4	—
p York	56	86	25th	43	19th	69·3	51·1	59·6	+1·7	4	0·16	4	−11	York	5·3	− 0·2	31	—	—	58·8	+1 4	55·1	+1·6
t Spurn Head	26	69	25th	46	19th	64·0	51·4	57·3	+0·8	3	0·15	4	− 7										
b, South a Lincoln	58	87	25th	40	19th	71·1	49·6	59·6	+1·1	4	0·13	3	−11	Lincoln	—	—	—	0	40	59·5	+0·2	55·5	+1·2
a Fulbeck	180													Fulbeck									
														Skegness	6·1	− 0·6	36	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	80	25th	43	19th	66·6	47·7	56·5	− 0·2	3	0·09	2	− 9	Cromer	5·6	− 0·7	33	—	—	—	—	—	—
a Little Massingham	277	84	25th	37	19th	68·4	46·0	56·4	− 1·4	3	0·20	5	− 8	Lit Massingham	5·9	− 0·3	35	—	—	—	—	—	—
t Yarmouth	13	71	23rd	41	19, 20	63 6	48·0	55·3	− 1·9	3	0·13	3	− 7	Yarmouth	5·4	—	32	0	40	59·3	− 3 3	57·0	− 0 8
a Norwich	93	81	25th	39	19th	67·9	48·6	57·6	0·5	2	0·09	2	− 9	Norwich	5·3	—	32	0	34	62·1	—	—	—
a Geldeston	37	84	25th	36	19th	69·7	46·6	57·4	− 0·2	1	0·08	2	− 8	Geldeston	5·2	− 1·5	31	—	—	—	—	—	—
p Cambridge	41	85	25th	33	19th	72·1	47·3	58·8	0·0	3	0·30	8	− 4	Cambridge	5·7	− 0·8	34	1	29	61·6	+0·7	57·0	+0·3
t Clacton-on-Sea	54	69	24th	40	19th	65·3	51·7	58·0	+0·2	0	0·00	0	− 9	Clacton-on-Sea	5·7	− 1·4	34	0	35	59·7	+0·3	56·9	+0·3
a Rothamsted	420	83	25th	35	19th	69·1	47·1	57·3	− 0·4	1	0·08	2	−10	Rothamsted	6·2	− 0·2	37	1	27	59·2	—	—	—
p Tottenham	51	85	25th	41	19th	72·1	51·6	61·1	—	1	0·29	7	—	Tottenham	6·8	—	41	0	41	—	—	61·1	+3·3
														Southend	6·9	—	42	0	39	63·2	+1·9		
4. MIDLAND COUNTIES.																							
h Harrogate	479	86	25th	40	19th	69·6	48·3	58·2	+2·7	2	0·06	1	−14	Harrogate	6·1	+0·1	36	0	34	57·7	+2·4	55·3	+2·1
a North p Sheffield	429	86	25th	45	19, 21	68·1	52·3	59·7	—	1	0·01	0·2	—	Sheffield	6·3	+0 8	37	0	37	58·3	+1·6	54·4	+2·6
h Buxton	987	81	25th	38	19th	63·4	48·4	55·4	+1·1	3	0·21	5	− 16	Buxton	4·8	—	28	0	35	59·8	+2·8	54·0	+2·6
a Worksop	56	88	25th	38	19th	73·7	49·1	60·5	+3·3	2	0·19	5	− 8	Worksop	5·7	+0·5	34	0	31	61·3	—	56·1	—
t Nottingham	82	88	25th	42	19th	70·3	51·0	60·0	+2·3	3	0·16	4	− 9	Nottingham	5·6	+0·1	33	0	35	62·8	+3·5	56 9	+1·9
b, East p Birmingham, Edgbsn.	525	85	25th	44	19th	69·1	51·4	59·6	+2·1	3	0·16	4	− 11	Birmingham	6·0	+1·3	36	0	35	57·9	+3·9	52·0	+1·5
a Raunds	203	87	25th	35	19th	70·6	46·9	57·9	− 0·2	3	0·06	2	−10	Raunds	5·8	—	35	0	31	61·9	—	—	—
p Oxford	208	85	25th	40	19th	72·3	50·7	60·8	+2·3	3	0·09	2	−12	Oxford	8·0	+1·9	48	0	33	—	—	—	—
														Malvern	7·9	—	47	0	40	62·5	—	58·7	—
a Cheadle (N. Staffs.)	646	84	25th	48	19, 21	67·1	50·4	58·2	+2·1	2	0·15	4	−13	Cheadle	—	—	—	0	46	—	—	—	—
c, West p Tenbury	313	84	25th	39	19th	72·0	49·4	59·9	+2·8	1	0·02	1	−12	Tenbury	—	—	—	0	36	61·3	—	—	—
a Hereford	291	85	25th	43	19th	74·0	50·9	61·7	+3·8	1	0·06	2	−11	Ross on Wye	8·5	—	51	0	36	64·4	—	58·1	—
a Clifton	225	85	24, 25	48	19, 20	73·3	53·1	62·5	+2·9	1	0·14	4	−12	Clifton	9·2	—	55	0	45	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	82	24, 25	35	19th	72·4	46·9	58·8	+2·2	0	0·00	0·1	−13	Worthing	8·8	+1·3	53	0	36	61·7	− 0·2	57·9	+0·8
a Porton	340	82	24th	36	19th	73·1	46·2	58·7	—	2	0·06	2	—	Marlborough	7·5	+1·6	45	0	32	61·6	—	55·8	—
a Wisley, Surrey	150	85	24th	35	19th	72·7	48·9	60·0	+1·8	1	0·02	1	− 9	Porton	—	—	—	1	30	63·3	—	—	—
h Tunbridge Wells	354	81	25th	38	19th	70 6	49·1	59·1	+1·2	1	0·02	1	−11	Wisley, Surrey	7·6	+1·0	46	1	23	60·9	+0·4	56·8	+0·4
h Margate	51	73	25th	50	19, 21	65·4	53 7	59·1	+0·8	1	0·02	1	− 9	Tunbridge Wells	7·1	+0·4	43	1	27	60·7	+ 0·7	57·4	—
														Margate	6·1	− 0·2	37	0	44	63·9	+4·3	60·8	+4·7
t Dungeness	21	72	25th	40	19th	65·9	52·3	58·6	+1·1	0	0·00	0	− 9	Folkestone	6·6	—	40	0	36	—	—	56·5	—
h St. Leonards	178	79	25th	43	19th	67·3	52·4	59·3	+1·3	1	0·01	0·3	−10	St. Leonards	8·2	+0·9	50	0	38	62·0	—	57·5	—
p Southampton	64	78	24,25	43	19th	71·1	51·3	60·5	+0·7	1	0·07	2	− 9	Southampton	8·2	+1·3	50	0	34	—	—	—	—
a Ventnor	59	73	25th	47	19th	68·9	55·1	61·5	+2·8	3	0·17	4	− 6	Ventnor	8·6	+1·6	52	—	—	—	—	—	—
LONDON a Richmond (Kew Obs.)	18	85	25th	43	19th	71·5	51·5	60·8	+1·6	1	0·01	0·3	−12	Richmond	6·9	+0·6	41	1	29	61·9	+2·0	56·3	+0 9
a Westminster	27	84	25th	43	19th	71·7	52·7	61·5	+1·8	2	0·05	1	−10	Westminster	6·9	+1·3	42	?	?	—	—	—	—
ag Greenwich	149	86	25th	37	19th	73·1	49·3	60·4	+0·7	3	0 22	6	− 5	Greenwich	7·1	+0·6	43	1	22	—	—	—	—
a Hampstead	450	84	25th	40	19th	70·4	51·1	60·1	—	2	0·07	2	--	Hampstead	7·0	—	42	1	27	—	—	—	—
ag Camden Square	110	89	25th	42	19th	74·6	52·4	62·7	+1·8	2	0·10	3	− 8	Camden Square	—	—	—	0	40	63·1	—	57·2	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	78	25th	44	21st	62·9	51·7	56·9	+0·9	3	0·17	4	−15	Aspatria	4·0	− 2·0	23	0	44	56·9	− 1·3	53·0	+0·4
p Newton Rigg	559	81	25th	45	192122	68·4	49·6	58·4	+2·7	0	0·00	0	−16	Newton Rigg	5·3	− 0·7	31	0	38	—	—	—	—
p Stonyhurst	375	83	25th	46	19th	65·3	52·3	58·4	+2·0	3	0 26	7	−16	Stonyhurst	4·2	− 1·2	25	0	44	—	—	—	—
h Blackpool	66	81	25th	50	19th	65 3	54·0	59·3	+2·7	3	0 17	4	−12	Blackpool	4 5	− 2 0	26	0	45	58 8	—	54·3	—
h Southport	37	84	25th	50	19th	64·4	54·6	59·2	+2·2	3	0·31	8	− 8	Southport	4·4	− 1·9	26	0	46	62 7	+1·6	58·7	+1·2
														Hoylake	5·0	− 0·9	29	—	—	—	—	—	—
t Liverpool (Bidston)	188	86	25th	50	19, 21	65·4	53 3	58·9	+1·3	2	0 06	1	−15	Liverpool	5·0	—	29	0	41	—	—	—	—
a Hawarden Bridge	22	86	25th	49	19th	68·0	54·1	60·6	+2·4	3	0 14	4	−10	Manchester City	4·5	− 0·4	27	0	42	62·5	+4·0	58·4	+2·9
p Manchester (Whit. Pk.)	125	89	25th	45	19th	68·3	51·6	59·4	+0·9	3	0 08	2	−18	„ Whit. Pk.	4·1	− 0·7	24	--	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	78	25th	47	19th	64·6	54·4	59·1	+1·5	2	0·08	2	−13	Llandudno	4·3	− 2·0	26	—	—	—	—	—	—
t Holyhead	15	77	25th	50	19th	64·4	53·3	58·5	+2·4	2	0·04	1	−15	Holyhead	3·7	—	22	0	46	—	—	—	—
a Aberdovey	60	84	25th	49	19th	68·4	54·3	60·9	—	2	0·12	3	—	Aberdovey	6·4	+0·6	38	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain-Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
h Aberystwyth	16	81	25th	47	19th	65·1	53·0	58·6	—	3	0·07	2	—	Aberystwyth	6·3	+0·5	38	—	—	—	—	—	—
a Rhayader	757	83	25th	41	19th	66·9	47·3	56·4	—	0	0·00	0	—	Rhayader ..	6·4	—	38	0	32	—	—	—	—
t Pembroke	149	78	25th	48	19th	65·3	53·1	58·8	+3·0	0	0·00	0	-12	Pembroke ..	8·2	+1·6	49	—	—	—	—	—	—
p Cardiff	202	85	25th	46	19th	72·3	52·1	61·5	+3·8	1	0·02	1	-15	Cardiff ..	9·3	—	56	0	39	62·8	+2·5	57·4	+1·4
b, ENGLAND, S.W.																							
h Bath	66	86	24th	42	19th	73·4	51·4	61·6	+3·5	1	0·22	6	- 8	Bath	7·5	+1·3	45	—	—	63·2	+2·9	58·8	+1·9
a Shaftesbury	722	79	24, 25	44	19th	70·4	49·4	59·2	+2·5	1	0·30	8	- 6	Shaftesbury ..	—	—	—	—	—	61·0	—	56·8	—
a Arlington	613	80	25th	43	23rd	68·0	49·5	58·1	+2·1	1	0·34	9	-11										
h Newquay	190	74	25th	48	24th	65·8	53·7	59·3	+2·4	1	0·05	1	-11	Newquay ..	9·5	+3·0	58	—	—	64·0	—	57·0	—
a Cullompton	202	82	24, 25	40	23rd	73·7	47·0	59·4	+1·5	1	1·00	25	+12	Cullompton ..	8·2	+2·4	50	0	33	64·8	—	—	—
t Portland Bill	19	64	24, 25	54	20, 23	63·1	56·1	59·4	+2·4	1	0·24	6	- 2	Weymouth ..	8·7	—	53	—	—	—	—	—	—
p Plymouth	116	78	25th	49	24th	69·9	52·9	60·8	+2·5	1	0·03	1	-12	Plymouth ..	8·7	+2·3	53	0	43	64·7	+4·0	58·5	—
a Falmouth	167	71	22nd	51	19, 22, 24	67·1	53·3	59·7	+2·3	1	0·08	2	-12	Falmouth ..	10·6	+3·8	65	0	45	63·7	—	61·3	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	65	24, 25	48	19th	60·9	51·7	56·0	0·0	1	0·25	6	-14										
a, West .. *a* Mallarany	120	74	25th	48	19th	65·3	52·7	58·6	—	3	0·19	5	—	Mallarany ..	3·4	—	20	0	41	—	—	—	—
p Markree Castle.. ..	122	80	25th	49	19th	66·3	52·3	58·8	+3·5	2	0·14	4	-18	Markree Castle	2·3	- 3·0	13	0	41	60·6	+1·5	54·5	+0·6
p Armagh..	204	82	25th	48	19th	67·1	52·9	59·5	+3·5	0	0·00	0	-18	Armagh ..	2·6	- 2·8	15	0	43	59·2	+1·0	55·0	+0·5
b, East .. *t* Donaghadee	35	70	23rd	49	19th	64·4	52·3	57·9	+2·6	2	0·03	1	-16										
10. IRELAND, S.																							
p Dublin City	54	75	24th	53	19th	68·1	55·6	61·4	+3·5	0	0·00	0	-16	Trinity Coll.	4·0	—	24	0	45	61·6	+2·9	56·5	+1·5
t Birr Castle	175	84	25th	47	19th	69·3	51·6	59·8	+3·3	0	0·00	0	-19	Phœnix Park	5·0	- 0·8	30	0	32	—	—	—	—
a Kilkenny	195	84	25th	45	22nd	71·3	50·1	60·0	+3·2	0	0·00	0	-20	Dublin City ..	—	—	—	0	48	—	—	—	—
a Waterford	137	74	24, 25	48	22nd	69·7	51·9	60·2	+2·7	0	0·00	0	-21	Birr Castle ..	4·9	- 2·2	30	0	38	—	—	—	—
p Seskin, Carrick-on-Suir	542	80	25th	42	22nd	70·1	49·0	58·8	—	0	0·00	0	—	Seskin ..	7·5	—	44	0	39	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	80	25th	46	19th	68·9	50·9	59·3	+2·2	0	0·00	0	-21										
t Cahirciveen (Val. Obs.)	30	73	25th	49	19, 22, 24	63·7	51·0	56·9	+0·2	1	0·01	0·2	-26	Cahirciveen ..	5·1	- 0·7	30	0	39	—	—	—	—
a Killarney	174	85	25th	48	19th	71·4	52·6	61·4	+4·3	0	0·00	0	-23	Ballinacurra	8·1	+2·2	49	—	—	—	—	—	—
t Roche's Point	32	69	19, 21	51	19th	66·4	53·7	59·6	+2·7	0	0·01	0·2	-21										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	71	25th	52	22nd	67·4	54·6	60·6	+3·1	1	0·02	0·4	-11	Scilly ..	9·8	+2·7	60	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	80	24, 25	48	24th	70·0	53·7	61·3	+2·2	1	0·59	15	+2	St. Heliers ..	9·8	+2·4	60	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	77	25th	51	19, 23, 24	68·6	53·5	60·5	+1·8	1	0·26	7	- 5	Guernsey† ..	10·3	+2·7	63	0	35	67·1	+5·8	61·5	+3·6

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 25th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	20, 23	17	101	46	4	0	270	13	23	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	67	101	0	350	4	21	17	13	21	7	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	12	129	27	0	320	7	21	8	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	87	63	18	0	240	10	22	18	16	22	21	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	20, 21	3	39	99	27	0	300	15	20	9	21	20	8	45
Paisley	188	81	15	—	0	—	0	39	107	22	0	260	8	22	22	18	22	22	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	1	92	75	0	220	6	23	1	12	21	7	45
South Shields	72	61	12	—	0	—	0	43	98	27	0	290	9	23	10	14	23	10	15
Spurn Head	66	40	‡	Instrument dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	31	112	25	0	10	10	21	11	16	21	14	50
Shoeburyness	103	90	‡	—	0	—	0	0	48	120	0	100	5	25	16	9	20	22	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	8	108	52	0	340	8	21	8	14	25	20	55
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	25	100	43	0	—	7	20	13	13	25	20	5
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	84	78	2	4	310	10	20	18	13	25	20	30
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	0	117	51	0	120	5	25	18	12	25	21	20
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	20	5	19 to 22	36	69	50	8	0	300	19	20	19	—	—	—	—
Southport	80	62	48	—	0	19 to 22	33	86	41	8	0	300	15	19	24	19	20	11	15
Holyhead	60	40	‡	—	0	19	1	96	59	12	0	300	11	19	24	15	19	23	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	*24	—	0	20, 25	6	81	70	8	3	350	13	20	7	19	20	6	55
Plymouth	185	88	*2	—	0	—	0	30	88	50	0	—	9	25	13	17	25	12	55
Lyme Regis	556	61	‡	—	0	—	0	16	121	31	0	—	7	19	18	12	20	19	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	19, 20, 21	9	83	61	15	0	260	12	20	1	—	—	—	—
Quilty	100	40	‡	—	0	19	5	66	73	8	16	—	13	19	23	18	19	23	30
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	—	0	52	67	49	0	340	9	19	16	13	19	15	45
Weaver Pt.	160	30	‡‡‡																
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	—	0	5	85	78	0	310	7	19	14	10	25	1	40

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIFTH WEEK of 1921—June 19th to June 25th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	76	38	87·4	81·4	84·2	− 0·5	71	− 8	0	0	4	0	0·60	15	− 4	—	—	—	1017
Eastern.																			
1. SCOTLAND, EAST ..	80	37	90·1	81·5	85·5	+ 0·1	88	+ 1	0	0	5	+ 1	0·40	10	− 6	4·1	− 1·3	23	1018
2. ENGLAND, N.E. ..	87	35	92·8	82·9	87·5	+ 1·1	113	+15	0	0	3	0	0·27	7	− 7	5·3	− 0·6	31	1019
3. ENGLAND, EAST ..	85	33	93·2	82·1	87·2	− 0·2	109	− 3	0	0	2	− 1	0·14	3	− 8	5·8	− 0·8	35	1020
4. MIDLAND COUNTIES	88	35	94·8	83·1	88·5	+ 1·4	125	+17	0	0	2	− 1	0·11	3	−11	6·9	+ 1·1	41	1021
5. ENGLAND, S.E. ..	85	35	94·1	83·4	88·3	+ 0·7	123	+ 9	0	0	1	− 2	0·04	1	−10	7·6	+ 0·6	46	1021
Western.																			
6. SCOTLAND, WEST ..	80	41	89·9	83·4	86·4	+ 0·3	99	+ 3	0	0	3	− 1	0·37	9	−13	—	—	—	1019
7. ENGLAND, N.W. ..	89	44	91·8	84·5	87·9	+ 1·2	118	+15	0	0	2	− 2	0·12	3	−15	4·8	− 0·9	28	1021
8. ENGLAND, S.W. ..	86	40	93·6	83·7	88·3	+ 1·4	123	+17	0	0	1	− 3	0·22	6	− 8	8·2	+ 2·0	50	1022
9. IRELAND, NORTH ..	84	47	91·7	84·2	87·7	+ 1·6	115	+20	0	0	1	− 4	0·08	2	−18	2·4	− 2·9	14	1021
10. IRELAND, SOUTH ..	85	45	93·3	84·2	88·4	+ 1·5	125	+20	0	0	0	− 4	0·00	0	−21	5·8	+ 0·2	35	1024
11. ENGLISH CHANNEL	80	48	93·4	85·2	89·0	+ 1·4	132	+18	0	0	1	− 2	0·29	7	− 5	10·0	+ 2·5	61	1023
MEAN: DISTRICTS 1-10	89	33	92·5	83·3	87·6	+ 0·9	114	+11	0	0	2	− 2	0·18	4	−12	5·6	− 0·3	34	1021

THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, May 29th to June 25th, 1921.

0. SCOTLAND, NORTH ..	78	35	87·7	80·8	84·0	0·0	275	− 3	0	− 2	16	+ 1	2·01	51	− 11	—	—	—	1018
Eastern																			
1. SCOTLAND, EAST ..	80	31	89·9	80·2	84·7	+ 0·1	310	+ 1	0	− 1	14	+ 1	1·37	34	− 17	6 8	+ 0 7	39	1018
2. ENGLAND, N.E. ..	87	34	91·3	81·8	86·2	+ 0·8	386	+42	0	0	9	− 3	0·69	18	− 28	7·3	+ 1·1	43	1020
3. ENGLAND, EAST ..	85	33	92·0	82·1	86·7	+ 0·3	409	+12	0	0	6	− 6	0·42	11	− 35	6·9	+ 0·1	42	1020
4. MIDLAND COUNTIES	88	35	93·3	81·7	87·1	+ 0·8	429	+37	0	0	6	− 6	0·55	14	− 36	7·8	+ 1·7	47	1020
5. ENGLAND, S.E. ..	85	32	92·9	82·7	87·4	+ 0·6	447	+29	0	0	4	− 8	0·37	9	− 36	7·6	+ 0·5	47	1020
Western.																			
6. SCOTLAND, WEST ..	80	37	90·0	81·5	85·5	+ 0·1	349	0	0	0	11	− 3	1·93	48	− 20	—	—	—	1020
7. ENGLAND, N.W. ..	89	35	90 5	82·3	86·2	+ 0·2	383	+12	0	0	8	− 5	0·65	17	− 37	7·4	+ 0·8	44	1021
8. ENGLAND, S.W. ..	86	35	92·4	82·7	87·2	+ 0·8	437	+43	0	0	6	− 7	0·82	21	− 32	8·5	+ 1 7	52	1021
9. IRELAND, NORTH ..	84	35	90·2	82·1	85·9	+ 0·5	370	+24	0	0	9	− 7	0·87	22	− 41	5·8	0·0	34	1021
10. IRELAND, SOUTH ..	85	33	92·0	82·5	86·9	+ 0·7	423	+34	0	0	6	− 7	0·67	17	− 45	7·8	+ 1·6	47	1023
11. ENGLISH CHANNEL..	80	45	91·5	84·8	87·9	+ 1·0	473	+53	0	0	6	− 6	0·67	17	− 28	9·3	+ 1·5	57	1022
MEAN: DISTRICTS 1-10..	89	31	91·5	82 0	86·4	+ 0·5	394	+23	0	0	8	− 5	0·83	21	− 33	7·3	+ 0·9	44	1020

THE YEAR. Aggregates, &c., for the Period of 25 Weeks, January 2nd to June 25th, 1921.

0. SCOTLAND, NORTH ..	78	16	83·3	76·7	79·9	+ 1·0	791	+131	348	−191	113	− 2	25·86	659	+82	—	—	—	1012
Eastern.																			
1. SCOTLAND, EAST ..	80	8	84·1	76·0	79·9	+ 0·9	869	+113	451	−166	90	− 8	11·23	282	− 49	4·6	+ 0·6	37	1014
2. ENGLAND, N.E. ..	87	22	85·3	77·5	81·3	+ 1·6	1152	+313	250	−222	73	−16	6·57	169	− 88	4·6	+ 0·4	37	1017
3. ENGLAND, EAST ..	85	23	86·0	77·7	81·7	+ 1·6	1306	+303	227	−267	62	−25	5·65	145	−107	5·1	+ 0·6	41	1018
4. MIDLAND COUNTIES	88	23	86·1	77·5	81·6	+ 1·5	1260	+236	253	−269	70	−16	6·75	172	−114	4·6	+ 0·6	36	1018
5. ENGLAND, S.E. ..	85	21	86·4	78·3	82·2	+ 1·4	1374	+285	170	−209	68	−17	6·42	164	−120	5·1	+ 0·5	41	1019
Western.																			
6. SCOTLAND, WEST ..	80	19	84·3	77·5	80·8	+ 0·9	981	+118	240	−176	107	+ 3	20·68	524	+ 16	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	84·9	78·3	81·4	+ 1·2	1120	+207	161	−221	84	− 9	11·67	297	− 62	4·7	+ 0·6	37	1018
8. ENGLAND, S.W. ..	86	22	85·8	78·6	82·1	+ 1·2	1292	+240	131	−170	78	−15	10·27	261	−145	5·2	+ 0·7	41	1019
9. IRELAND, NORTH ..	84	23	84·9	78·2	81·5	+ 1·1	1115	+193	148	−192	101	−12	12·67	321	+ 92	3·9	0·0	31	1016
10. IRELAND, SOUTH ..	85	23	85·9	78·7	82·2	+ 1·0	1296	+182	117	−143	95	− 5	12·50	318	−125	4·3	+ 0·2	34	1019
11. ENGLISH CHANNEL..	80	32	86·1	80·7	83·7	+ 1·5	1526	+280	27	− 78	79	−19	7·48	189	−149	5·8	+ 0·6	46	1020
MEAN: DISTRICTS 1-10 ..	89	8	85·4	77·8	81·5	+ 1·2	1177	+219	215	−204	83	−12	10·44	265	− 89	4·7	+ 0·5	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
1st July, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) | No. 26.

TWENTY-SIXTH WEEK.
SUNDAY, JUNE 26TH, TO SATURDAY, JULY 2ND, 1921.

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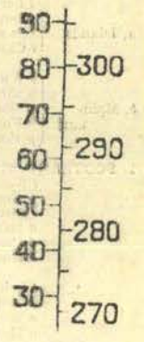
I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week the great anticyclone that had for so long been lying in the neighbourhood of the British Isles had been divided in two by a tongue of low pressure extended from Scandinavia to the south-west of Ireland. This tongue, which covered the secondary depressions associated with the thunderstorm on the night of the 25th, did not last long and the anticyclone between Iceland and Scotland spread to the south-east, the wind over the British Isles generally veering to north or north-east with a fall in temperature. During the night of the 27th to 28th a shade temperature of 274a was recorded at Eskdalemuir. Anticyclonic conditions prevailed for the rest of the week and very generally the weather was fine, sunny and dry. During this period, however, there were very sharp ground frosts, unusual for the time of year. Grass minima as low as 270a were recorded at several stations on the 28th, while on July 2nd a similarly low reading was reported at Rhayader. The mean temperature for the week was below the normal in all districts except England S.W., Ireland S. and the English Channel, and the mean daily range of temperature was more than 13a in many places. Rainfall was less than the normal in all districts, and over large areas the week was rainless. The heaviest falls were 12mm. at Birr Castle on the 26th and 17mm. at Jersey on the 29th. Bright sunshine was above the normal in most districts; the departure from the normal ranged from +5·6 hours per day at Markree Castle to —2·9 at Geldeston. On the 28th and again on the 29th several stations had between 15 and 16 hours of sunshine; Oxford reported 15·9 hours on the 28th, the highest in a day since the record commenced in 1880. Unusual visibility was experienced at some of the Kent coast stations on the 28th and from Deal, for instance, the French coast for a distance of 8 miles was clearly seen for several hours; Cape Grisnez lighthouse and the coast line some two miles further south could also be seen. Solar halos were observed at Aberdeen on the 27th and at Kew on the 30th. At Oxford a halo and a corona were both observed round the moon early on the 28th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 27.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	1	4·8	1	2·4	2	3·8	6	2·4	1	2·2	10	1·6	8	1·8	20	1·4
North	26	5·3	8	1·4	22	4·2	16	2·9	25	2·8	15	1·9	15	2·3	15	3·3
West	22	3·4	3	4·3	5	1·4	6	2·1	13	1·3	12	3·2	6	1·9	10	2·4
East	1	1·0	10	2·6	15	3·2	16	2·9	13	4·8	13	7·1	17	3·1	8	3·1
Calm	1	—	15	—	4	—	3	—	2	—	1	—	4	—	9	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual
Rainfall ..	Very Light	Nought	Light	Light	Light	Nought	Nought	Very Light	Light	Very Light	Light	Moderate
Sunshine ..	Abundant	Very Abundant	Moderate	Moderate	Abundant	Abundant	—	Very Abundant	Abundant	Very Abundant	Very Abundant	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
SUMMER. 5 weeks from May 29th, 1921.	Warmth ..	0, 4, 1	0, 4, 1	2, 2, 1	1, 3, 1	3, 1, 1	2, 2, 1	0, 5, 0	1, 4, 0	3, 2, 0	2, 2, 1	3, 1, 1	4, 1, 0
	Rainfall ..	0, 3, 2	0, 3, 2	0, 2, 3	0, 2, 3	0, 1, 4	0, 2, 3	1, 1, 3	0, 1, 4	0, 1, 4	0, 1, 4	0, 1, 4	0, 3, 2
	Sunshine ..	2, 1, 2	4, 0, 1	2, 3, 0	0, 5, 0	4, 1, 0	2, 3, 0	—	3, 1, 1	4, 1, 0	2, 2, 1	4, 1, 0	2, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	53	1st	40	26th	50·0	43·3	46·4	− 5·1	2	0·05	1	− 10										
p Deerness, Orkney	165	59	28th	44	26,27,30	52·9	44·6	48·5	− 4·0	3	0·03	1	− 11	Deerness	3·8	− 0·9	21	—	—	—	—	—	—
a, Islands *t* Stornoway	51	58	2nd	41	27th	55·1	44·9	49·6	− 4·2	0	0·00	0	− 15	Stornoway	6·7	+1·7	37	—	—	—	—	—	—
t Castlebay, Barra I.	37	58	1st	47	28, 30	56·1	48·3	51·9	—	0	0·00	0	—	Castlebay	12·6	—	71	—	—	—	—	—	—
t Wick	81	57	2nd	40	28th	53·7	44·1	48·6	− 4·8	2	0·02	1	− 11										
a Strathpeffer	125	70	2nd	40	27th	63·7	43·3	52·8	− 3·3	0	0·00	0	− 12										
b, Main- *p* Glencarron	500	65	1, 2	40	28th	62·6	43·6	52·4	− 1·9	0	0·00	0	− 26										
land. *a* Fort Augustus	68	71	28th	40	27th	66·3	43·3	54·0	− 1·7	0	0·00	0	− 13										
p Fort William	171	75	29th	40	27th	70·1	45·1	56·7	0·0	0	0.00	0	− 23										
1. SCOTLAND, E.																							
t Nairn	82	67	2nd	39	2nd	60·6	43·6	51·5	− 4·4	0	0·00	0	− 11	Nairn	9·6	—	54	—	—	—	—	—	—
p Gordon Castle	101	63	2nd	39	28th	58·3	45·3	51·4	− 4·7	1	0·02	1	− 12	Gordon Castle	6·1	—	34	—	—	—	—	—	—
t Aberdeen	46	64	2nd	40	28th	58·1	46·0	51·6	− 3·9	0	0·00	0	− 11	Aberdeen	7·1	+0·8	40	0	35	—	—	52·9	+1·5
a Balmoral	930	71	2nd	34	29th	64·0	39·3	50·8	− 3·3	0	0·00	0	−11	Balmoral	—	—	—	1	30	—	—	—	—
p Crieff	432	77	28th	40	27th	70·4	44·9	56·8	− 0·7	1	0·08	2	−12	Crathes	8·5	+2·5	48	2	30	55·2	− 1·3	50·9	− 1·6
a Dundee	244													Dundee									
t Leith	30	70	28th	47	27, 28	62·1	50·0	55·6	− 2·1	0	0·00	0	−10	Leith	—	—	—	0	35	—	—	—	—
p Edinburgh	441	74	28th	44	27, 28	64·9	45·6	54·6	− 1·3	0	0·00	0	−11	Edinburgh	10·8	+4·4	62	0	35	—	—	—	—
a West Linton	769	70	29, 2	29	27th	64·1	38·9	50·6	− 3·5	1	0·01	0·3	—	West Linton	—	—	—	2	25	—	—	—	—
a Marchmont	498	—	—	39	27th	—	45·6	—	—	0	0·00	0	−13	Marchmont	8·3	+1·8	47	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	74	26, 27	37	2nd	67·5	44·1	55·0	—	1	0·01	0·2	—	Ford (Argyll)	—	—	—	0	38	59·9	—	54·0	—
t Renfrew	49	74	29th	41	27, 28	68·1	44·9	55·7	—	0	0·00	0	—	Renfrew	10·8	—	62	1	29	—	—	—	—
p Rothesay	200	70	29th	46	28th	64·7	48·7	56·1	− 0·7	0	0·00	0	−19	Rothesay	11·4	—	65	0	41	60·1	—	54·6	+1·0
a Kilmarnock	90	72	29th	40	27th	68·0	46·0	56·2	0·0	0	0·00	0	−15	Kilmarnock	10·2	—	58	—	—	60·0	—	54·0	—
a Colmonell	170	68	28th	38	27th	64·7	44·3	53·8	−1·8	0	0·00	0	−15	Colmonell	—	—	—	0	33	—	—	—	—
p Dumfries	160	73	29, 2	37	27th	69·1	45·0	56·2	−1·8	0	0·00	0	−15	Dumfries	10·2	—	59	0	32	60·3	+0·6	55·1	− 1·7
t Eskdalemuir	794	71	28th	33	28th	65·4	41·3	52·5	—	0	0·00	0	—	Eskdalemuir	8·6	—	49	2	27	—	—	—	—
b, I. OF MAN *h* Douglas	284	69	29th	48	30th	63·9	50·6	56·8	+0·3	0	0·00	0	−15	Douglas	10·7	+3·8	63	0	44	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	68	28th	38	27, 28	61·0	44·9	52·4	− 4·1	0	0·00	0	−13	Cockle Park	7·4	+1·5	43	2	25	59·1	+2·2	55·1	+1·6
t Tynemouth	118	65	28th	42	28th	57·3	47·9	52·3	− 4·1	1	0·28	7	− 5										
p Durham	336	75	28th	35	28th	65·7	42·3	53·2	− 4·1	1	0·20	5	− 7	Durham	6·9	+1·1	40	4	26	—	—	—	—
a North *p* Rounton	249	72	26, 28	36	28th	63·6	42·3	52·2	− 4·6	2	0·02	1	−14	Rounton	—	—	—	2	25	58·7	—	—	—
a West Witton	605	74	28th	37	28th	64·4	43·7	53·3	—	0	0·00	0	—	West Witton	—	—	—	0	31	58·3	—	53·0	—
h Scarborough	118	66	28th	45	28th	60·3	49·3	54·4	− 3·4	0	0·00	0	−11	Scarborough †	5·9	− 0·0	35	—	—	—	—	57·9	—
p York	56	74	28th	39	28th	67·1	46·4	56·0	− 3·4	0	0·00	0	−13	York	6·1	+0·2	36	—	—	60·3	+2·4	55·9	+1·7
t Spurn Head	26	65	28th	49	28th	60·6	51·9	56·0	− 2·2	0	0·00	0	− 9										
b, South *a* Lincoln	58	73	28th	40	28th	66·6	48·9	57·1	− 2·9	1	0·25	6	− 6	Lincoln	—	—	—	0	38	60·5	+0·9	56·7	+1·6
a Fulbeck	180													Fulbeck									
														Skegness	6·1	− 1·2	36	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	71	26th	46	2nd	61·1	49·0	54·6	− 4·0	1	0·13	3	− 8	Cromer	4·4	− 2·7	26	—	—	—	—	—	—
a Little Massingham	277	75	26th	42	28th	61·6	46·7	53·6	− 5·9	2	0·05	1	− 12	Lit Massingham	5·4	− 1·5	32	—	—	—	—	—	—
t Yarmouth	13	72	26th	48	29th	60·9	51·7	56·0	− 3·1	1	0·01	0·3	−11	Yarmouth	5·7	—	34	0	45	61·9	− 0·9	57·7	− 0·8
a Norwich	93	77	26th	43	29th	63·4	48·9	55·7	− 4·2	2	0·02	1	−11	Norwich	4·7	—	28	0	38	62·5	—	—	—
a Geldeston	37	78	26th	39	29th	64·1	47·3	55·1	− 4·3	0	0·00	0	− 11	Geldeston	4·6	− 2·9	28	—	—	—	—	—	—
p Cambridge	41	73	26th	38	28, 1	67·0	45·1	55·3	− 5·2	1	0·09	2	− 9	Cambridge	7·9	+0·6	48	0	31	62·8	+1·5	58·1	+0·7
t Clacton-on-Sea	54	75	26th	45	1st	63·9	49·7	56·3	− 3·4	1	0·02	1	− 8	Clacton-on-Sea	9·0	+1·2	54	0	41	61·9	+2·2	57·9	+0·6
a Rothamsted	420	72	2nd	40	1st	67·4	45·7	55·8	− 3·6	1	0·01	0·2	−12	Rothamsted	8·4	+1·2	51	1	30	61·1	—	—	—
p Tottenham	51	77	27, 28	44	28th	73·3	50·1	60·9	—	0	0·00	0	—	Tottenham	8·8	—	53	0	43	—	—	62·6	+4·1
														Southend	8·4	—	51	0	41	—	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	72	28th	37	28th	63·9	43·4	52·9	− 4·3	0	0·00	0	−15	Harrogate	7·7	+1·0	45	1	30	58·5	+2·7	56·1	+2·3
a North *p* Sheffield	429	74	26th	40	28th	66·6	47·0	56·1	—	0	0·00	0	—	Sheffield	6·2	− 0·1	37	0	31	59·2	+1·9	55·4	+2·9
h Buxton	987	72	26th	35	28th	65·6	44·0	54·1	− 1·9	1	0·01	0·3	− 21	Buxton	7·5	—	44	0	33	64·7	+7·2	55·4	+2·8
a Worksop	56	75	26th	37	28th	69·7	44·1	56·0	− 3·0	0	0·00	0	−13	Worksop	6·5	+0·9	38	1	26	62·4	—	57·4	—
t Nottingham	82	72	2nd	38	28th	67·9	46·6	56·5	− 3·0	2	0·04	1	−12	Nottingham	7·3	+1·0	43	0	34	60·6	+1·0	58·3	+2·6
b, East *p* Birmingham, Edgbsn.	525	76	2nd	45	28th	69·7	49·7	59·0	− 0·2	2	0·10	3	− 11	Birmingham	7·6	+2·3	45	0	31	59·4	+5·1	52·9	+2·0
a Raunds	203	72	2nd	36	28th	66·7	43·7	54·4	− 1·6	1	0·08	2	−11	Raunds	8·5	—	51	1	30	63·4	—	—	—
p Oxford	208	76	26, 2	41	28th	71·9	47·3	58·7	− 1·6	1	0·16	4	−10	Oxford	9·1	+2·2	55	0	36	—	—	—	—
														Malvern	9·1	—	55	0	39	64·3	—	60·1	—
a Cheadle (N. Staffs.)	646	72	2nd	39	28th	66·7	46·0	55·6	− 2·1	1	0·29	7	−10	Cheadle	—	—	—	0	37	—	—	—	—
c, West *p* Tenbury	313	77	29th	36	28th	72·6	45·9	58·3	− 0·5	2	0·20	5	− 7	Tenbury	—	—	—	0	32	62·6	—	—	—
a Hereford	291	79	26th	40	28th	72·4	48·0	59·4	− 0·2	1	0·16	4	− 9	Ross on Wye	9·0	—	54	0	35	65·4	—	59·3	—
a Clifton	225	76	29th	47	28th	72·3	52·4	61·7	+0·3	1	0·02	1	−15	Clifton	9·5	—	58	0	46	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	75	1, 2	36	29th	71·0	44·1	56·6	− 1·5	0	0·00	0·1	−12	Worthing	9·7	+1·3	60	0	44	63·4	+0·9	58·7	+1·0
a Porton	340	75	26,29,2	40	29, 2	70·9	45·4	57·3	—	0	0·00	0	—	Marlborough	7·7	+1·0	47	1	30	62·8	—	56·8	—
a Wisley, Surrey	150	76	26th	39	29th	70·7	46·1	57·5	− 2·4	1	0·03	1	− 8	Porton	—	—	—	0	34	64·6	—	—	—
h Tunbridge Wells	354	73	2nd	43	1st	68·0	47·9	57·3	− 2·4	0	0·00	0	−10	Wisley, Surrey	8·7	+1·2	53	3	27	62·9	+1·8	57·8	+0·6
h Margate	51	76	26th	51	30th	62·9	54·3	58·3	− 1·9	0	0·00	0	− 9	Tunbridge Wells	8·6	+1·0	53	0	33	61·9	+0·6	58·3	—
														Margate	8·8	+1·6	53	0	46	66·8	+6·4	62·3	+5·5
t Dungeness	21	67	26th	47	1st	64·0	53·4	58·3	− 1·0	0	0·00	0	− 8	Folkestone	—	—	—	—	—	—	—	—	—
h St. Leonards	178	68	26, 27	46	29th	65·0	50·9	57·5	− 2·2	0	0·00	0	−10	St. Leonards	9·4	+1·1	57	0	41	63·6	—	58·4	—
p Southampton	64	74	29th	46	28, 29	68·7	49·4	58·4	− 3·0	0	0·00	0	−10	Southampton	9·2	+1·4	56	0	38	—	—	—	—
a Ventnor	59	69	2nd	51	28, 1	66·0	53·9	59·5	− 0·9	0	0·00	0	− 9	Ventnor	8·4	+0·4	51	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	75	2nd	46	28,29,1	70·0	50·3	59·5	− 1·5	1	0·04	1	−10	Richmond	8·4	+1·2	51	0	35	63·0	+2·6	57·4	+1·3
a Westminster	27	76	2nd	48	28th	70·3	52·6	60·8	− 0·7	1	0·07	2	− 8	Westminster	8.3	+1·9	50	0	43	—	—	—	—
ag Greenwich	149	78	2nd	44	29, 1	71·3	48·7	59·2	− 2·3	1	0·04	1	− 9	Greenwich	9·2	+1·9	56	0	31	—	—	—	—
a Hampstead	450	75	2nd	44	28th	68·3	49·3	58·1	—	1	0·04	1	—	Hampstead	8·1	—	49	0	36	—	—	—	—
ag Camden Square	110	79	2nd	44	28th	73·6	50·7	61·4	− 1·2	1	0·02	1	−10	Camden Square	—	—	—	0	42	64·7	—	58·4	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	69	29th	39	27th	64·9	44·0	53·7	− 3·4	0	0·00	0	−18	Aspatria	10·3	+3·9	60	0	37	59·3	+0·5	54·2	+1·0
p Newton Rigg	559	—	—	36	28th	—	42·1	—	—	0	0·00	0	−15	Newton Rigg	9·5	+3·1	56	2	30	—	—	—	—
p Stonyhurst	375	70	28, 29	42	28th	66·6	49·3	57·4	− 0·2	0	0·00	0	−21	Stonyhurst	9·5	+3·5	56	0	37	—	—	—	—
h Blackpool	66	68	29th	41	28th	66·3	49·6	57·1	− 0·9	0	0·00	0	−15	Blackpool	10·6	+3·4	62	0	35	60·3	—	55·1	—
h Southport	37	69	29th	41	28th	66·1	49·0	57·0	− 1·3	1	0·02	1	−14	Southport	11·0	+4·0	65	0	33	64·6	+3·0	59·9	+1·7
														Hoylake	10·4	+3·9	62	—	—	—	—	—	—
t Liverpool (Bidston)	188	70	30th	47	28–1	66·9	49·1	57·9	− 1·5	1	0·01	0·2	−15	Liverpool	9·5	—	56	0	41	—	—	—	—
a Hawarden Bridge	22	71	29th	44	28th	67·6	49·7	58·0	− 1·5	1	0·10	3	−10	Manchester City	7·4	+2·2	44	0	41	64·9	+6·1	59·8	+3·7
p Manchester (Whit. Pk.)	125	82	26th	41	28th	71·0	48·0	58·7	− 1·0	0	0·00	0	−18	„ Whit. Pk.	6·9	+1·6	41	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	71	26th	46	29, 2	67·1	50·4	58·2	− 0·8	1	0·06	2	−12	Llandudno	11·2	+4·3	67	—	—	—	—	—	—
t Holyhead	15	67	30th	48	2nd	64·3	51·9	57·7	+0·3	1	0·04	1	−14	Holyhead	12·9	—	76	0	33	—	—	—	—
a Aberdovey	60	76	29th	50	26, 28	67·7	53·0	59·8	—	2	0·16	4	—	Aberdovey	9·9	+3·4	59	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
h Aberystwyth	16	72	28th	47	2nd	66·0	52·6	58·8	—	3	0·34	9	—	Aberystwyth	10·8	+4·2	65	—	—	—	—	—	—
a Rhayader	757	73	29th	37	2nd	68·3	43·4	55·0	—	2	0·19	5	—	Rhayader ..	10·2	—	61	3	26	—	—	—	—
t Pembroke	149	70	29th	52	28, 1	65·4	54·1	59·4	+2·3	0	0·00	0	-12	Pembroke ..	10·7	+3·2	65	—	—	—	—	—	—
p Cardiff	202	76	29, 2	45	28th	70·9	51·1	60·3	+1·3	0	0·00	0	-16	Cardiff ..	9·7	—	59	0	38	64·8	+4·2	58·5	+1·9
b, ENGLAND, S.W.																							
h Bath	66	76	29, 2	45	28, 29	71·7	50·4	60·3	+0·7	0	0·00	0	-13	Bath	6·9	- 0·3	42	—	—	64·7	+4·1	59·9	+2·5
a Shaftesbury	722	73	2nd	45	28, 30	69·1	49·1	58·4	+0·2	0	0·00	0	-14	Shaftesbury ..	—	—	—	—	—	62·0	—	57·5	—
a Arlington	613	73	1st	46	1st	69·1	51·5	59·7	+2·4	0	0·00	0	-20										
h Newquay	190	75	29th	50	27th	67·4	53·7	60·1	+1·7	0	0·00	0	-12	Newquay ..	9·0	+1·6	55	—	—	64·9	—	58·0	—
a Cullompton	202	77	1st	48	29, 2	72·7	52·1	61·7	+2·4	1	0·01	0·3	-13	Cullompton ..	7·3	+0·6	44	0	39	65·7	—	—	—
t Portland Bill	19	64	26,30,2	55	27,29-2	62·9	56·0	59·2	+0·7	1	0·04	1	- 8	Weymouth ..	8·5	—	52	—	—	—	—	—	—
p Plymouth	116	74	29th	53	1st	70·0	56·3	62·7	+3·1	0	0·00	0	-14	Plymouth ..	8·4	+1·0	51	0	46	66·4	+4·7	60·0	—
a Falmouth	167	76	1st	53	27, 1, 2	69·3	55·0	61·7	+2·8	0	0·00	0	-14	Falmouth ..	7·4	- 0·5	45	0	45	64·0	—	61·9	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	69	27th	47	28th	61·3	52·0	56·3	- 0·7	0	0·00	0·1	-17										
a, West .. *a* Mallarany	120	73	27, 28	44	1st	68 3	49·9	58·5	—	0	0·00	0	—	Mallarany ..	10·1	—	60	0	38	—	—	—	—
p Markree Castle.. ..	122	72	26, 28	38	28th	67·6	46·1	56·1	- 0·2	0	0·00	0	-19	Markree Castle	10·2	+5·6	60	1	28	62·9	+3·7	55·8	+1·3
p Armagh	204	71	28th	41	28th	67·7	46·9	56·6	- 0·5	0	0·00	0	-16	Armagh ..	8·8	+4·1	52	1	29	61·1	+2 5	55·8	+0·9
b, East .. *t* Donaghadee ..	35	67	28th	46	28th	61·0	50·1	55·2	- 1·3	0	0·00	0	-15										
10. IRELAND, S.																							
p Dublin City	54	69	26, 29	47	29th	66·0	52·1	58·6	- 0·7	1	0·06	2	-10	Trinity Coll.	8·5	—	50	0	35	63·9	+4·7	57·8	+2·2
t Birr Castle	175	79	26th	41	29th	71·4	47·7	58·7	+0·9	2	0·55	14	0	Phœnix Park	9·6	+3·9	57	2	22	—	—	—	—
a Kilkenny	195	79	26th	45	29th	73·0	50·6	61·0	+2·8	2	0·18	5	- 9	Dublin City ..	—	—	—	0	42	—	—	—	—
a Waterford	137	75	26,29,1	46	29th	71·7	52·3	61·3	+2·4	1	0·09	2	-13	Birr Castle ..	8·6	+3·7	51	0	35	—	—	—	—
p Seskin, Carrick-on-Suir	542	77	26,30,1	44	29th	72·6	49·7	60·4	—	0	0·00	0	—	Seskin ..	11·0	—	66	0	32	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	76	26th	49	1st	70·0	52·3	60·5	+2·2	1	0·41	11	- 4										
t Cahirciveen (Val. Obs.)	30	71	28th	49	2nd	66 3	52·3	58·8	+0·8	1	0·01	0·3	-18	Cahirciveen ..	9·9	+4·3	60	0	40	—	—	—	—
a Killarney	174	79	30th	47	2nd	73·9	52·1	62 2	+3·8	1	0·06	2	-14	Ballinacurra	9·4	+3·4	57	—	—	—	—	—	—
t Roche's Point	32	71	1st	51	29th	68·1	55·3	61·3	+3·1	1	0 02	1	-14										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	72	30th	54	30th	68·9	56·1	62·1	+3·3	0	0·00	0	- 8	Scilly ..	7·7	- 0·6	47	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	73	27th	52	1st	67·0	56·1	61·2	+0·7	1	0·67	17	+8	St. Heliers ..	5·9	- 2·8	36	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	69	1, 2	51	1st	66·4	55·8	60·7	+0·6	1	0·01	0·3	- 9	Guernsey† ..	6·9	- 2·0	42	0	40	67·0	+5·1	63·0	+4·4

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 2nd, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m/s	day. hour.	m/s	d. h. m.
0. SCOTLAND, N.																
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	121	44	3	0	300	10	28 5	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	0	—	0	0	162	6	0	360	5	29 10	12	28 13 10
Aberdeen (Cup Anr.) ..	153	105	52	—	0	—	0	13	143	12	0	320	7	28 12	—	— — —
Edinburgh	485	39	31	—	0	—	0	3	96	69	0	50	6	26 7	11	26 6 10
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	0	—	0	12	95	61	0	50	9	26 9	15	26 7 15
Paisley	188	81	15	—	0	—	0	4	104	60	0	90	6	26 7	13	26 7 10
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	0	—	0	5	64	99	0	360	6	26 11	12	26 11 5
South Shields	72	61	12	—	0	—	0	11	92	65	0	10	9	26 5	14	26 5 5
Spurn Head	66	40	‡	Instrument dismounted.												
3. ENGLAND, E.																
Gorleston	52	42	‡	—	0	—	0	59	94	15	0	30	10	27 3	14	27 2 50
Shoeburyness	103	90	‡													
4. MIDLAND COUNTIES.																
Benson	270	84	‡													
5. ENGLAND, S.E.																
Brighton	261	53	6	—	0	—	0	15	131	22	0	—	8	28 23	12	28 23 50
Butler's Cross, Larkhill ..	513	63	43	—	0	—	0	54	99	3	12	280	9	26 16	11	29 11 35
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	9	130	29	0	220	6	1 18	13	29 13 5
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	42	112	14	0	300	10	2 17	—	— — —
Southport	80	62	48	—	0	—	0	50	103	15	0	310	8	28 15	12	26 14 45
Holyhead	60	40	‡	—	0	27	3	47	89	15	14	70	12	27 9	15	27 8 50
8. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	28	2	27 to 29	31	48	71	16	0	80	19	28 8	23	28 8 30
Plymouth	185	88	2	—	0	28	1	26	87	54	0	—	11	28 11	20	28 11 35
Lyme Regis	556	61	‡	—	0	—	0	4	112	52	0	—	6	28 2	10	28 1 40
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	23	119	26	0	60	9	27 10	—	— — —
Quilty	100	40	‡‡	—	0	—	0	22	97	16	33	—	8	2 17	12	27 10 50
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	—	0	40	58	56	14	340	8	1 18	12	2 13 5
Weaver Pt.	160	30	‡‡													
11. ENGLISH CHANNEL.																
Scilly	150	32	‡	—	0	—	0	28	65	75	6	100	10	28 7	17	28 9 15

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SIXTH WEEK of 1921—June 26th to July 2nd, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	75	40	88·7	79·6	83·8	− 1·6	67	−18	0	0	1	− 3	0·01	0	−17	5·3	+ 0·8	29	1024
Eastern.																			
1. SCOTLAND, EAST ..	77	29	89·9	79·7	84·4	− 1·9	74	−23	0	0	0	− 3	0·00	0	−12	8·9	+ 2·7	50	1024
2. ENGLAND, N.E. ..	75	35	90·1	81·2	85·3	− 2·0	85	−25	0	0	1	− 2	0·09	2	−10	6·5	+ 0·1	38	1023
3. ENGLAND, EAST ..	78	38	91·2	82·0	86·3	− 2·1	97	−27	0	0	1	− 2	0·04	1	−10	6·8	− 0·6	41	1022
4. MIDLAND COUNTIES	79	34	93·8	81·2	87·1	− 1·0	107	−13	0	0	1	− 2	0·11	3	−11	7·9	+ 1·4	47	1022
5. ENGLAND, S.E. ..	76	36	92·8	82·8	87·4	− 1·2	112	−14	0	0	0	− 2	0·00	0	−10	8·8	+ 1·0	54	1022
Western.																			
6. SCOTLAND, WEST ..	74	37	92·2	80·9	86·2	− 0·5	96	− 6	0	0	0	− 4	0·00	0	−17	—	—	—	1023
7. ENGLAND, N.W. ..	82	36	92·3	82·4	87·1	− 0·3	107	− 5	0	0	1	− 2	0·02	1	−16	10·2	+ 3·9	61	1022
8. ENGLAND, S.W. ..	77	37	93·5	84·1	88·4	+ 0·7	125	+ 9	0	0	1	− 2	0·02	1	−14	8·8	+ 1·8	54	1022
9. IRELAND NORTH ..	79	38	91·8	82·2	86·7	0·0	102	− 1	0	0	1	− 3	0·11	3	−14	9·5	+ 4·8	56	1023
10. IRELAND, SOUTH ..	79	41	94·2	84·0	88·7	+ 1·1	128	+14	0	0	1	− 3	0·17	5	−10	9·4	+ 3·9	56	1022
11. ENGLISH CHANNEL.	73	51	92·7	86·3	89·3	+ 1·0	135	+ 9	0	0	1	− 2	0·23	6	− 3	6·8	− 1·8	42	1021
MEAN: DISTRICTS 1-10	82	29	92·2	82·0	86·8	− 0·7	103	− 9	0	0	1	− 3	0·06	2	−12	8·5	+ 2·1	51	1023

THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, May 29th to July 2nd, 1921.

0. SCOTLAND, NORTH ..	78	35	87·9	80·6	84·0	− 0·2	342	−21	0	− 2	17	− 2	2·02	51	− 28	4·6	− 0·6	25	1019
Eastern																			
1. SCOTLAND, EAST ..	80	29	89·9	80·1	84·7	− 0·2	384	−22	0	− 1	14	− 2	1·37	34	− 29	7·2	+ 1·1	41	1019
2. ENGLAND, N.E. ..	87	34	91·1	81·6	86·0	+ 0·2	471	+17	0	0	10	− 5	0·78	20	− 38	7·1	+ 0·9	42	1020
3. ENGLAND, EAST ..	85	33	91·8	82·0	86·6	− 0·2	506	−15	0	0	7	−·8	0·46	12	− 45	6·9	0·0	41	1020
4. MIDLAND COUNTIES	88	34	93·4	81·6	87·1	+ 0·4	536	+24	0	0	7	− 8	0·66	17	− 47	7·8	+ 1·6	47	1021
5. ENGLAND, S.E. ..	85	32	92·9	82·7	87·4	+ 0·2	559	+15	0	0	4	−10	0·37	9	− 46	7·8	+ 0·6	48	1020
Western.																			
6. SCOTLAND, WEST ..	80	37	90·5	81·4	85·6	− 0·1	445	− 6	0	0	11	− 7	1·93	48	− 37	—	—	—	1020
7. ENGLAND, N.W. ..	89	35	90·9	82·3	86·3	+ 0·1	490	+ 7	0	0	9	− 7	0·67	18	− 53	8·0	+ 1·5	47	1021
8. ENGLAND, S.W. ..	86	35	92·6	83·0	87·5	+ 0·9	562	+52	0	0	7	− 9	0·84	22	− 46	8·5	+ 1·7	52	1021
9. IRELAND, NORTH ..	84	35	90·5	82·1	86·0	+ 0·3	472	+23	0	0	10	−10	0·98	25	− 55	6·5	+ 0·9	38	1021
10. IRELAND, SOUTH ..	85	33	92·4	82·8	87·3	+ 0·8	551	+48	0	0	7	−10	0·84	22	− 55	8·1	+ 2·1	49	1023
11. ENGLISH CHANNEL..	80	45	91·8	85·1	88·2	+ 1·0	608	+62	0	0	7	− 8	0·90	23	− 31	8·8	+ 0·8	54	1021
MEAN: DISTRICTS 1-10..	89	29	91·6	82·0	86·5	+ 0·2	498	+14	0	0	9	− 8	0·89	23	− 45	7·6	+ 1·2	45	1021

THE YEAR. Aggregates, &c., for the Period of 26 Weeks, January 2nd to July 2nd, 1921.

0. SCOTLAND, NORTH ..	78	16	83·5	76·8	80·0	+ 0·8	858	+113	348	−191	114	− 5	25·87	659	+65	3·6	+ 0·2	28	1013
Eastern.																			
1. SCOTLAND, EAST ..	80	8	84·3	76·1	80·0	+ 0·7	943	+ 90	451	−166	90	−11	11·23	282	− 61	4·8	+ 0·8	37	1015
2. ENGLAND, N.E. ..	87	22	85·5	77·6	81·4	+ 1·4	1237	+288	250	−222	74	−18	6·66	171	− 98	4·7	+ 0·4	37	1017
3. ENGLAND, EAST ..	85	23	86·2	77·9	81·9	+ 1·5	1403	+276	227	−267	63	−27	5·69	146	−117	5·2	+ 0·6	41	1019
4. MIDLAND COUNTIES	88	23	86·4	77·6	81·8	+ 1·4	1367	+223	253	−269	71	−18	6·86	175	−125	4·7	+ 0·6	37	1019
5. ENGLAND, S.E. ..	85	21	86·6	78·5	82·4	+ 1·3	1486	+271	170	−209	68	−19	6·42	164	−130	5·3	+ 0·6	42	1019
Western.																			
6. SCOTLAND, WEST ..	80	19	84·6	77·6	81·0	+ 0·8	1077	+112	240	−176	107	− 1	20·68	524	− 1	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	85·1	78·4	81·7	+ 1·2	1227	+202	161	−221	85	−11	11·69	298	− 78	4·9	+ 0·7	38	1018
8. ENGLAND, S.W. ..	86	22	86·1	78·8	82·3	+ 1·2	1417	+249	131	−170	79	−17	10·29	262	−159	5·3	+ 0·8	42	1019
9. IRELAND, NORTH ..	84	23	85·2	78·4	81·7	+ 1·1	1217	+192	148	−192	102	−15	12·78	324	−106	4·1	+ 0·2	32	1016
10. IRELAND, SOUTH ..	85	23	86·2	78·9	82·4	+ 0·9	1424	+196	117	−143	96	− 8	12·67	323	−135	4·5	+ 0·2	35	1019
11. ENGLISH CHANNEL..	80	32	86·3	80·9	83·9	+ 1·5	1661	+289	27	− 78	80	−21	7·71	195	−152	5·8	+ 0·4	46	1020
MEAN: DISTRICTS 1-10 ..	89	8	85·6	78·0	81·7	+ 1·2	1280	+210	215	−204	84	−15	10·50	267	−101	4·8	+ 0·5	38	1018
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
8th July, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 27.

TWENTY-SEVENTH WEEK.
SUNDAY, JULY 3RD, TO SATURDAY, JULY 9TH, 1921.

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METEOROLOGICAL OFFICE
16 JUL 1921
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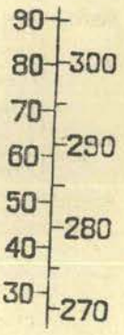
I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions were maintained over the British Isles throughout the week, and the weather was fine and sunny with very light winds; although there were slight showers in some parts the drought still prevailed. Rainfall was much less than the normal in all the Districts, the returns for England S.E., England N.W. and England S.W., and also for the Channel Islands being "Nil." The greatest fall recorded was 12 mm. at Little Massingham, near King's Lynn, on the 6th. The mean temperature for the week was above the normal in all districts, the differences ranged from +2·0a in Ireland N. to +0·1a in England E. The mean daily range of temperature was no less than 18a (32°F.) at Tenbury and at Marlborough and 17a (30°F.) at Hereford and Porton; on the other hand at Castlebay in the Hebrides the range was only 3a. On the 9th, a maximum temperature of 88°F. (304a) was recorded at Manchester (Whitworth Park), at Birmingham, and at Ross-on-Wye. A minimum temperature of 272a was recorded at Buxton on the 5th and ground frosts occurred at Cockle Park, Durham, Harrogate and Birmingham on the 5th. Bright sunshine was above the normal in all districts except Scotland N. The mean for the week was very high at several stations, 14·3 at Guernsey, 13·6 at Falmouth, 13·0 at Plymouth. The departure from normal ranged from +6·0 hours per day at Scilly to −2·8 at Deerness. Aurora was reported at Gorleston on the 9th and solar halos at Aberdeen on the 3rd, at Birmingham, Oxford and Tenbury on the 6th, and at Oxford on the 7th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 25.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	7	2·5	9	1·2	8	3·3	4	3·2	10	3·0	—	—	14	3·0	16	2·2
North	13	3·5	6	1·2	15	3·9	13	2·4	13	2·1	—	—	10	1·7	10	5·3
West	12	1·2	16	4·1	4	2·1	4	1·9	18	1·7	—	—	9	3·4	8	2·7
East	7	1·4	4	2·1	15	2·4	13	1·8	3	2·25	—	—	13	2·4	8	0·8
Calm	4	—	8	—	5	—	7	—	5	—	—	—	4	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Very Unusual	Unusual	Unusual	Very Unusual	Very Unusual	Unusual
	Rainfall ..	Light	Very Light	Light	Moderate	Very Light	Nought	Light	Very Light	Nought	Very Light	Very Light	Nought
	Sunshine ..	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	—	Very Abundant	Very Abundant	Abundant	Very Abundant	Very Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 6 weeks from May 29th, 1921.	Warmth ..	1, 4, 1	1, 4, 1	3, 2, 1	1, 4, 1	4, 1, 1	2, 3, 1	1, 5, 0	2, 4, 0	4, 2, 0	3, 2, 1	4, 1, 1	5, 1, 0
	Rainfall ..	0, 3, 3	0, 3, 3	0, 2, 4	0, 3, 3	0, 1, 5	0, 2, 4	1, 1, 4	0, 1, 5	0, 1, 5	0, 1, 5	0, 1, 5	0, 3, 3
	Sunshine ..	2, 2, 2	4, 1, 1	2, 4, 0	1, 5, 0	5, 1, 0	3, 3, 0	—	4, 1, 1	5, 1, 0	3, 2, 1	5, 1, 0	3, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
	t Lerwick	54	59	9th	44	4th	54·0	47·6	50·6	− 1·4	4	0·43	11	− 2								
	p Deerness, Orkney ..	165	67	9th	45	3, 4	58·6	49·6	53·8	+0·8	5	0·43	11	− 3	Deerness ..	1·7	− 2·8	9	—	—	—	—	—	—
a, Islands	*t* Stornoway	51	69	9th	44	5th	52·3	51·6	56·6	+2·5	3	0·28	7	− 10	Stornoway ..	5·0	+0·2	28	—	—	—	—	—	—
	t Castlebay, Barra I. ..	37	66	8th	50	3, 4	59·3	54·0	56·5	—	4	0·20	5	—	Castlebay ..	3·6	—	20	—	—	—	—	—	—
	t Wick	81	70	9th	46	3, 4, 5	59·0	49·3	53·8	0·0	2	0·24	6	− 9									
	a Strathpeffer	125	77	9th	47	5	68·3	52·9	60·1	+3·7	1	0·14	4	− 10									
b, Main-	*p* Glencarron	500	71	4th	42	3rd	64·4	50·6	57·0	+2·6	3	0·30	8	− 22									
land.	*a* Fort Augustus	68	72	5th	48	4th	67·3	53·3	59·8	+3·7	3	0·17	4	− 12									
	p Fort William	171	75	9th	44	4th	68·1	52·0	59·5	+2·7	4	0·36	9	− 18									
1. SCOTLAND, E.																						
	t Nairn	82	80	9th	45	5th	68·7	52·6	60·1	+4·0	1	0·15	4	− 10	Nairn ..	6·6	—	37	—	—	—	—	—	—
	p Gordon Castle	101	79	9th	40	5th	69·1	52·1	60·0	+3·8	2	0·13	3	− 14	Gordon Castle	5·8	—	33	—	—	—	—	—	—
	t Aberdeen	46	81	8th	47	5th	66·9	51·6	58·7	+2·8	2	0·06	2	− 13	Aberdeen ..	4·7	− 0·7	27	0	41	—	—	53·2	+1·2
	a Balmoral	930	79	9th	37	3rd	71·4	45·3	57·4	+3·2	1	0·08	2	− 12	Balmoral ..	—	—	—	0	32	—	—	—	—
	p Crieff	432	78	9th	45	3rd	72·7	52·3	61·8	+4·1	2	0·18	5	− 12	Crathes ..	6·3	+1·2	36	0	39	57·5	0·0	51·5	− 1·6
	a Dundee	244	82	9th	47	5th	72·1	51·1	60·9	+3·2	1	0·16	4	− 11	Dundee ..	7·7	—	44	0	46	61·9	—	—	—
															Inchkeith (F. of Forth)	—	—	—	0	46	—	—	—	—
	t Inchkeith (F. of Forth)	—	77	9th	46	4th	67·7	53·9	60·3	—	1	0·08	2	—									
	p Edinburgh	441	80	9th	47	3rd	70·7	54·6	62·1	+5·9	1	0·03	1	− 13	Edinburgh ..	6·3	+0·8	36	0	42	—	—	—	—
	a West Linton	769	77	9th	37	5th	69·6	49·6	58·9	+4·6	3	0·03	1	—	West Linton	—	—	—	0	34	—	—	—	—
	a Marchmont	498	—	—	42	5th	—	49·4	—	—	1	0·10	3	− 14	Marchmont ..	5·5	0·0	32	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
	a Ford (Argyll)	149	75	9th	32	4th	68·0	47·8	57·2	—	4	0·57	15	—	Ford (Argyll)	—	—	—	0	39	61·0	—	54·9	—
	t Renfrew	49	75	8, 9	46	5th	71·9	53·6	62·1	—	1	0·04	1	—	Renfrew ..	4·6	—	27	0	36	—	—	—	—
	p Rothesay	200	72	8th	49	3, 4	68·6	53·4	60·5	+3·5	5	0·24	6	− 14	Rothesay ..	4·6	—	26	0	44	61·9	—	55·9	+1·6
	a Kilmarnock	90	77	8, 9	44	3rd	73·3	53·7	62·8	+6·3	3	0·11	3	− 13	Kilmarnock ..	6·6	—	38	—	—	62·8	—	54·8	—
	a Colmonell	170	77	9th	44	5th	71·0	53·9	61·9	+6·0	2	0·15	4	− 12	Colmonell ..	—	—	—	0	39	—	—	—	—
	p Dumfries	160	81	9th	45	4th	72·1	53·4	62·1	+3·8	1	0·01	0·3	− 15	Dumfries ..	6·7	—	39	0	40	62·3	+1·7	56·1	− 0·7
	t Eskdalemuir	794	79	8th	38	5th	70·4	49·3	59·1	—	1	0·08	2	—	Eskdalemuir	6·7	—	39	0	32	—	—	—	—
b, I. OF MAN *h* Douglas	284	74	9th	50	3rd	68·7	54·4	61·1	+4·3	1	0·10	3	− 12	Douglas ..	8·4	+1·4	50	0	46	—	—	—	—
2. ENGLAND, N.E.																						
	a Alnwick Castle ..	210	80	8, 9	37	5th	68·7	50·9	59·2	+2·3	2	0·27	7	− 7	Cockle Park ..	5·7	− 0·4	33	1	26	60·4	+2·8	55·4	+1·4
	t Tynemouth	118	77	8th	44	5th	65·7	53·7	59·3	+2·4	2	0·07	2	− 10									
	p Durham	336	82	9th	35	5th	71·6	50·4	60·3	+2·5	2	0·17	4	− 9	Durham ..	6·0	+0·2	35	1	27	—	—	—	—
a North ..	*p* Rounton	249													Rounton ..	—	—	—			—	—	—	—
	a West Witton	605	87	9th	38	5th	75·3	51·4	62·5	—	1	0·04	1	—	West Witton	—	—	—	0	31	59·9	—	53·6	—
	h Scarborough	118	76	9th	47	3rd	65·7	56·6	60·8	+2·6	1	0·08	2	− 10	Scarborough †	5·8	− 0·4	34	—	—	—	—	58·3	—
	p York	56	87	9th	37	5th	72·2	51·4	61·1	+1·4	2	0·10	3	− 10	York ..	5·8	− 0·2	34	—	—	60·1	+1·5	56·3	+1·4
	t Spurn Head	26	73	9th	50	3rd	64·6	54·9	59·4	+0·7	1	0·12	3	− 6									
b, South ..	*a* Lincoln	58	87	9th	47	5th	75·7	53·3	63·7	+3·3	1	0·06	2	− 10	Lincoln ..	—	—	—	0	44	61·4	+1·6	57·1	+1·5
	t Cranwell	237	84	9th	47	5th	74·6	51·9	62·5	—	1	0·16	4	—	Cranwell ..	8·9	—	53	0	40	—	—	—	—
															Skegness ..	9·7	+2·3	58	—	—	—	—	—	—
3. ENGLAND, E.																						
	p Cromer	196	77	9th	45	3rd	68·6	50·4	58·9	0·0	3	0·24	6	− 5	Cromer ..	7·7	+0·7	46	—	—	—	—	—	—
	a Little Massingham ..	277	83	9th	43	3rd	71·3	51·0	60·4	+0·7	2	0·53	14	+ 2	Lit Massingham	9·7	+3·0	58	—	—	—	—	—	—
	t Yarmouth	13	73	9th	46	3rd	63·6	52·1	57·3	− 2·1	1	0·16	4	− 6	Yarmouth ..	9·5	—	57	0	39	61·1	− 1·9	58·1	− 0·9
	a Norwich	93	80	9th	39	3rd	72·1	49·4	60·0	− 0·1	2	0·18	5	− 7	Norwich ..	9·0	—	54	1	30	63·6	—	—	—
	a Geldeston	37	80	6th	39	3rd	70·7	47·0	58·0	− 1·7	2	0·16	4	− 6	Geldeston ..	9·3	+2·1	56	—	—	—	—	—	—
	p Cambridge	41	85	9th	46	6th	75·7	52·6	63·4	+2·7	1	0·16	4	− 6	Cambridge ..	9·6	+2·6	58	0	39	64·0	+2·3	58·7	+0·7
	t Clacton-on-Sea ..	54	75	6th	51	3, 4, 5	66·1	53·3	59·3	− 0·8	1	0·07	2	− 7	Clacton-on-Sea	10·1	+2·7	61	0	47	62·5	+2·2	58·4	+0·4
	a Rothamsted	420	82	9th	44	6th	74·0	49·9	61·1	+1·5	1	0·01	0·3	− 11	Rothamsted	7·9	+0·9	48	0	37	62·2	—	—	—
	p Tottenham	51	83	9th	51	4th	75·3	55·0	64·4	—	0	0·00	0	—	Tottenham ..	7·9	—	48	0	50	—	—	63·5	+4·4
															Southend ..	8·5	—	52	—	—	—	—	—	—
4. MIDLAND COUNTIES.																						
	h Harrogate	479	83	9th	39	5th	72·9	51·0	61·2	+3·6	1	0·11	3	− 10	Harrogate ..	7·3	+0·7	43	1	30	58·8	+2·5	57·3	+3·0
a North ..	*p* Sheffield	429								—				—	Sheffield ..									
	h Buxton	987	83	9th	31	5th	72·1	47·6	59·0	+2·5	0	0·00	0	− 18	Buxton ..	7·9	—	47	0	31	65·0	+7·3	56·7	+3·4
	a Worksop	56	89	9th	37	5th	78·6	49·6	63·1	+3·6	1	0·15	4	− 6	Worksop ..	6·8	+1·0	40	1	28	63·8	—	57·8	—
	t Nottingham	82	89	9th	44	5th	77·0	51·4	63·3	+3·3	1	0·06	1	− 10	Nottingham ..	8·5	+2·3	51	0	36	65·6	+5·7	58·5	+2·3
b, East ..	*p* Birmingham, Edgbsn..	525	88	9th	47	5th	77·4	54·4	65·1	+5·4	0	0·00	0	− 11	Birmingham	9·2	+3·9	55	1	29	61·6	+6·8	53·5	+2·1
	a Raunds	203	86	9th	47	3, 4	75·7	50·9	62·4	+1·8	1	0·08	2	− 9	Raunds ..	9·2	—	55	0	44	65·3	—		
	p Oxford	208	87	9th	45	5th	78·0	52·9	64·6	+3·7	0	0·00	0	− 11	Oxford ..	10·5	+3·5	63	0	39	—	—	—	—
															Malvern	12·3	—	74	0	38	66·1	—	61·1	—
	a Cheadle (N. Staffs.) ..	646	86	9th	42	5th	78·0	51·4	63·8	+5·7	0	0·00	0	− 14	Cheadle	—	—	—	0	42	—	—	—	—
c, West ..	*p* Tenbury	313	87	9th	37	5th	79·6	47·0	62·2	+2·9	0	0·00	0	− 9	Tenbury ..	—	—	—	0	34	64·3	—	—	—
	a Hereford	291	85	8, 9	39	5th	80·3	50·1	64·1	+4·1	0	0·00	0	− 10	Ross on Wye	12·0	—	72	0	33	67·3	—	60·0	—
	a Clifton	225	86	8th	50	5th	78·7	54·0	65·5	+3·6	0	0·00	0	− 13	Clifton ..	12·9	—	79	0	49	—	—	—	—
5. ENGLAND, S.E.																						
	a Marlborough	424	85	9th	35	5th	77·3	45·1	60·1	+1·6	0	0·00	0	− 13	Worthing ..	10·3	+2·3	63	0	41	63·9	+0·7	59·3	+0·9
	a Porton	340	85	9th	37	5th	77·7	47·5	61·5	—	0	0·00	0	—	Marlborough	10·6	+4·1	64	1	30	63·9	—	57·4	—
	a Wisley, Surrey ..	150	86	9th	46	6th	77·6	51·0	63·4	+2·9	1	0·01	0·3	− 10	Porton	—	—	—	0	35	66·4	—	—	—
	h Tunbridge Wells ..	354	81	9th	44	6th	73·6	50·4	61·2	+1·0	0	0·00	0	− 11	Wisley, Surrey	8·3	+1·2	51	0	33	64·1	+2·4	58·5	+0·8
	h Margate	51	68	9th	50	6th	66·1	54·0	59·6	− 1·2	1	0·02	1	− 9	Tunbridge Wells	6·9	− 0·4	42	0	34	62·0	0·0	58·6	—
															Margate ..	8·8	+1·9	54	0	45	66·9	+5·8	63·2	+5·8
	t Dungeness	21	70	9th	46	6th	65·7	52·3	58·5	− 1·4	0	0·00	0·1	− 9	Folkestone ..	8·3	—	51	0	35	—	—	58·9	—
	h St. Leonards	178	76	9th	50	6th	67·3	54·1	60·2	0·0	1	0·01	0·3	− 11	St. Leonards ..	9·3	+1·3	57	0	42	64·3	—	59·0	—
	p Southampton	64	79	7, 9	46	5, 6	74·7	51·3	62·2	+0·3	0	0·00	0	− 11	Southampton	11·8	+4·4	72	0	36	—	—	—	—
	a Ventnor	59	74	9th	52	5th	70·9	56·0	62·9	+2·1	0	0·00	0	− 10	Ventnor ..	11·9	+4·2	73	—	—	—	—	—	—
LONDON	*a* Richmond (Kew Obs.)	18	84	9th	50	4th	75·6	54·1	64·1	+2·6	1	0·02	1	− 10	Richmond	8·0	+1·2	49	0	40	64·6	+3·6	58·1	+1·5
	a Westminster	27	84	9th	51	6th	75·9	55·7	65·1	+3·1	0	0·00	0	− 11	Westminster	7·8	+1·6	47	0	45	—	—	—	—
	ag Greenwich	149	85	6th	49	6th	78·1	52·9	64·6	+2·5	1	0·01	0·3	− 11	Greenwich ..	8·4	+1·5	51	0	35	—	—	—	—
	a Hampstead	450	82	9th	48	4th	74·0	53·4	63·0	—	0	0·00	0	--	Hampstead ..	8·3	—	51	0	42	—	—	—	—
	ag Camden Square ..	110	88	9th	51	4, 5, 6	79·0	55·0	66·2	+3·2	0	0·00	0	− 12	Camden Square	—	—	—	0	47	65·2	—	59·2	—
7. *a*, ENGLAND, N.W.																						
	p Aspatria (Mealsgate) ..	487	79	9th	44	4th	70·3	52·9	61·0	+3·7	1	0·06	2	− 13	Aspatria	7·9	+1·4	46	0	43	61·3	+1·6	55·3	+1·5
	p Newton Rigg	559	81	9th	40	4, 5	72·9	48·1	59·6	+2·2	2	0·15	4	− 9	Newton Rigg	7·9	+1·3	46	0	34	—	—	—	—
	p Stonyhurst	375	82	9th	44	5th	72·1	51·0	60·8	+2·9	0	0·00	0	− 17	Stonyhurst ..	9·6	+3·4	57	0	41	—	—	—	—
	h Blackpool	66	79	9th	45	4, 5	69·6	51·9	60·1	+1·7	1	0·02	1	− 12	Blackpool ..	9·9	+2·5	58	0	38	61·1	—	55·8	—
	h Southport	37	76	9th	45	4, 5	68·9	52·3	60·0	+1·4	0	0·00	0	− 13	Southport ..	10·6	+3·4	63	0	41	66·8	+4·4	60·8	+1·9
															Hoylake ..	11·1	+4·3	66	—	—	—	—	—	—
	t Liverpool (Bidston) ..	188	80	9th	50	4, 5	70·4	54·1	61·7	+2·5	1	0·04	1	− 11	Liverpool	10·8	—	64	0	45	—	—	—	—
	a Hawarden Bridge ..	22	83	9th	46	5th	73·4	52·6	62·3	+2·5	0	0·00	0	− 10	Manchester City	8·8	+3·6	53	0	44	65·5	+6·1	61·0	+4·3
	p Manchester (Whit. Pk.)	125	88	9th	42	5th	76·1	50·6	62·5	+2·5	0	0·00	0	− 15	,, Whit. Pk.	8·2	+2·8	49	--	—	—	—	—	—
b. NORTH WALES.																						
	h Llandudno	22	76	9th	48	4th	70·6	53·9	61·7	+2·4	0	0·00	0	− 11	Llandudno ..	10·2	+3·2	61	—	—	—	—	—	—
	t Holyhead	15	76	9th	51	4, 5	70·1	54.6	61·8	+4·1	0	0·00	0	− 12	Holyhead ..	10·4	—	62	0	40	—	—	—	—
	a Aberdovey	60	81	9th	52	5th	73·1	56·4	64·2	—	0	0·00	0	—	Aberdovey ..	11·1	+4·5	67	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
h Aberystwyth	16	72	9th	50	3rd	68·4	53·9	60·7	—	1	0·01	0·3	—
a Rhayader	757	84	9th	37	5th	75·0	45·1	59·0	—	0	0·00	0	—
t Pembroke	149	74	9th	52	3, 4	68·9	55·4	61·7	+4·0	0	0·00	0	−11
p Cardiff	202	86	9th	47	5th	77·7	54·3	65·2	+5·6	0	0·00	0	−13
b, ENGLAND, S.W.													
h Bath	66	87	9th	45	5th	79·3	52·3	64·9	+4·6	0	0·00	0	−11
a Shaftesbury	722	80	8, 9	47	5th	76·1	52·7	63·6	+4·6	0	0·00	0	−11
a Arlington	613	82	9th	46	3rd	75·3	52·1	62·9	+5·0	0	0·00	0	−17
h Newquay	190	75	9th	47	6th	70·1	54·4	61·7	+2·6	0	0·00	0	−10
a Cullompton	202	85	8th	45	5th	79·4	51·3	64·4	+4·5	0	0·00	0	−12
t Portland Bill	19	72	9th	54	5th	67·3	56·3	61·4	+2·1	0	0·00	0	− 7
p Plymouth	116	78	7th	51	5, 6	71·6	55·3	62·9	+2·6	0	0·00	0	−12
a Falmouth	167	79	7, 8	51	5th	73·9	56·0	64·3	+4·7	0	0·00	0	−12
9. IRELAND, N.													
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	49	4th	66·4	54·9	60·3	+2·9	0	0·00	0	−14
a, West .. *a* Mallarany ..	120	74	4th	44	4th	69·9	55·0	61·9	—	2	0·09	2	—
p Markree Castle.. ..	122	78	9th	39	4th	73·9	52·9	62·7	+6·0	1	0·01	0·3	−15
p Armagh.. ..	204	80	5, 8	43	3rd	75·7	54·4	64·3	+6·7	1	0·03	1	−11
b, East .. *t* Donaghadee ..	35	76	9th	48	3rd	67·9	54·0	60·5	+3·6	1	0·09	2	−10
10. IRELAND, S.													
p Dublin City	54	82	9th	51	3rd	73·4	59·3	65·9	+6·3	0	0·00	0	−11
t Birr Castle	175	83	9th	45	4th	76·0	54·9	64·7	+6·7	0	0·00	0	−13
a Kilkenny	195	85	9th	45	5th	78·3	53·3	64·9	+6·3	0	0·00	0	−13
a Waterford	137	79	8, 9	49	4th	75·9	54·4	64·4	+5·2	0	0·00	0	−14
p Seskin, Carrick-on-Suir	542	80	6, 9	48	4th	76·7	54·0	64·6	—	0	0·00	0	—
a Foynes	50	80	9th	49	3rd	76·0	56·3	65·5	+7·0	2	0·07	2	−12
t Cahirciveen (Val. Obs.)	30	75	9th	48	3rd	70·4	57·1	63·3	+5·1	1	0·04	1	−16
a Killarney	174	84	9th	51	9th	79·9	58·4	68·4	+9·8	2	0·08	2	−13
t Roche's Point	32	74	8th	50	3rd	69·7	56·0	62·4	+3·9	2	0·03	1	−12
11. ENGLISH CHANNEL.													
t Scilly, St. Mary's ..	131	76	9th	55	4, 5, 6	71·1	56·9	63·5	+4·0	0	0·00	0	−12
t Jersey, St. Aubins ..	25	80	9th	50	3rd	73·1	55·4	63·6	+2·4	0	0·00	0	−12
a Guernsey (Villa Carey)	180	78	8, 9	52	6th	72·7	53·9	62·7	+1·9	0	0·00	0	−12

Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
Aberystwyth	11·6	+5·0	70	—	—	—	—	—	—
Rhayader ..	9·7	—	58	2	25	—	—	—	—
Pembroke ..	12·5	+5·0	76	—	—	—	—	—	—
Cardiff ..	12·1	—	74	0	40	67·1	+6·0	59·7	+2·7
Bath	10·7	+3·3	65	—	—	66·9	+5·2	61·0	+3·0
Shaftesbury ..	—	—	—	—	—	65·1	—	58·9	—
Newquay ..	13·2	+5·6	81	—	—	67·0	—	58·8	—
Cullompton ..	11·8	+5·1	73	0	38	67·8	—	—	—
Weymouth ..	12·7	—	78	—	—	—	—	—	—
Plymouth ..	13·0	+5·5	80	0	46	68·9	+6·1	60·2	—
Falmouth ..	13·6	+5·6	83	0	41	66·6	—	62·8	—
Malin Head ..	—	—	—	—	—	—	—	—	—
Mallarany ..	6·9	—	41	0	34	—	—	—	—
Markree Castle	6·8	+1·9	40	0	34	64·1	+4·4	56·9	+1·9
Armagh ..	5·5	+0·3	32	0	31	62·3	+2·8	56·7	+1·2
Trinity Coll.	7·0	—	42	0	40	65·4	+5·4	58·9	+2·9
Phœnix Park	8·1	+2·2	48	0	37	—	—	—	—
Dublin City ..	—	—	—	0	48	—	—	—	—
Birr Castle ..	8·4	+3·5	0	0	38	—	—	—	—
Seskin ..	10·7	—	64	0	36	—	—	—	—
Cahirciveen ..	9·8	+4·2	59	0	37	—	—	—	—
Ballinacurra	11·1	+5·0	67	—	—	—	—	—	—
Scilly ..	13·7	+6·0	85	—	—	—	—	—	—
St. Heliers ..	13·5	+5·1	84	—	—	—	—	—	—
Guernsey† ..	14·3	+5·6	88	0	32	69·9	+7·4	63·9	+4·7

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 9th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	5	136	14	13	250	8	8	8	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	75	93	0	350	5	3	7	11	3	5	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	5	85	78	0	330	6	3	6	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	17	112	39	0	270	7	5	17	11	5	16	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	4	95	69	0	220	7	5	16	10	5	16	50
Paisley	188	81	15	—	0	—	0	2	112	54	0	230	6	5	15	12	5	14	55
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	0	67	101	0	360	4	3	15	7	3	9	5
South Shields	72	61	12	—	0	—	0	3	106	59	0	300	6	5	23	9	5	11	15
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	39	98	31	0	40	8	4	10	11	3	14	45
Shoeburyness	103	90	‡	—	0	—	0	0	6	145	17	70	3	9	14	7	6	23	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	0	79	89	0	20 / 270	4	4 / 6	15 / 19	10	4	15	5
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	1	89	78	0	—	7	7	3	10	7	2	40
Larkhill	513	63	43	—	0	—	0	21	116	22	9	290	8	6	17	9	9	16	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	3	109	50	6	80	6	9	18	10	3	18	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	13	133	22	0	310	11	3	1	—	—	—	—
Southport	80	62	48	—	0	—	0	11	129	28	0	320	8	3	1	10	3	0	30
Holyhead	60	40	‡	—	0	—	0	25	101	25	17	340	8	3	1	10	3	0	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	—	0	68	73	27	0	350	10	4	10	13	3	17	40
Plymouth	185	88	2	—	0	—	0	4	96	68	0	—	6	4	16	9	3	20	10
Lyme Regis	556	61	‡	—	0	—	0	2	59	107	0	—	5	6	23	8	7	7	15
10. IRELAND, S.																	6	22	30
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	19	121	28	0	240	9	5	23	—	—	—	—
Quilty	100	40	‡‡	—	0	—	0	16	89	63	0	—	7	7	14	10	7	14	45
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	—	0	13	90	65	0	180	7	5	13	10	5	13	15
Weaver Pt.	160	30	‡‡	—	0	—	0	32	120	16	0	—	9	6	15	13	6	14	20
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	0	—	0	0	16	152	0	10	3	3	17	5	3	18	25

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SEVENTH WEEK of 1921—July 3rd to July 9th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	77	42	90·4	83·6	86·8	+ 1·2	104	+18	0	0	3	− 1	0·27	7	−12	3·4	0·9	19	1022
Eastern.																			
1. SCOTLAND, EAST ..	81	37	93·9	83·8	88·5	+ 2·0	125	+27	0	0	2	− 2	0·09	3	−13	6·2	+ 0·9	35	1023
2. ENGLAND, N.E. ..	87	35	93·7	84·7	88·8	+ 1·2	130	+17	0	0	2	− 1	0·12	3	−10	7·0	+ 0·4	41	1024
3. ENGLAND, EAST ..	85	39	94·6	83·7	88·7	+ 0·2	128	+ 3	0	0	1	− 2	0·17	4	− 7	9·0	+ 1·9	54	1024
4. MIDLAND COUNTIES	89	37	98·3	84·3	90·5	+ 2·2	151	+29	0	0	1	− 2	0·04	1	−10	9·6	+ 3·1	57	1024
5. ENGLAND, S.E. ..	86	35	95·6	83·9	89·3	+ 0·5	136	+ 6	0	0	0	− 3	0·00	0	−11	9·4	+ 2·0	58	1024
Western.																			
6. SCOTLAND, WEST ..	81	32	94·4	84·3	89·0	+ 2·1	132	+27	0	0	2	− 2	0·16	4	−13	—	—	—	1024
7. ENGLAND, N.W. ..	88	40	95·1	84·2	89·3	+ 1·7	135	+21	0	0	1	− 2	0·03	1	−12	9·7	+ 3·3	57	1024
8. ENGLAND, S.W. ..	87	37	96·6	84·7	90·2	+ 2·1	147	+27	0	0	0	− 3	0·00	0	−13	12·0	+ 4·9	73	1024
9. IRELAND NORTH ..	83	39	95·3	85·3	89·9	+ 3·0	144	+39	0	0	1	− 3	0·03	1	−12	6·2	+ 1·1	36	1024
10. IRELAND, SOUTH ..	85	45	96·9	86·4	91·3	+ 3·5	160	+44	0	0	1	− 2	0·03	1	−13	9·4	+ 3·8	56	1025
11. ENGLISH CHANNEL..	80	50	95·4	86·0	90·4	+ 1·7	149	+21	0	0	0	− 3	0·00	0	−12	13·8	+ 5·5	85	1024
MEAN: DISTRICTS 1-10	89	32	95·4	84·5	89·6	+ 1·9	139	+24	0	0	1	− 2	0·07	2	−11	8·7	+ 2·3	52	1024

THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks, May 29th to July 9th, 1921.

0. SCOTLAND, NORTH ..	78	35	88·4	81·1	84·5	0·0	446	− 3	0	− 2	20	− 3	2·29	58	− 40	4·4	− 0·6	24	1020
Eastern																			
1. SCOTLAND, EAST ..	81	29	90·6	80·7	85·3	+ 0·1	509	+ 5	0	− 1	16	− 4	1·46	37	− 42	7·1	+ 1·2	40	1020
2. ENGLAND, N.E. ..	87	34	91·5	82·2	86·5	+ 0·4	601	+34	0	0	12	− 6	0·90	23	− 48	7·1	+ 0·8	42	1021
3. ENGLAND, EAST ..	85	33	92·3	82·3	87·0	− 0·1	634	−12	0	0	8	−10	0·63	16	− 52	7·2	+ 0·3	44	1021
4. MIDLAND COUNTIES	89	34	94·2	82·1	87·7	+ 0·8	687	+53	0	0	8	−10	0·70	18	− 57	8·1	+ 1·8	49	1021
5. ENGLAND, S.E. ..	86	32	93·3	82·9	87·7	+ 0·2	695	+21	0	0	4	−13	0·37	9	− 57	8·1	+ 0·8	49	1021
Western.																			
6. SCOTLAND, WEST ..	81	32	91·1	81·9	86·2	+ 0·3	577	+21	0	0	13	− 9	2·09	52	− 50	—	—	—	1021
7. ENGLAND, N.W. ..	89	35	91·6	82·7	86·8	+ 0·3	625	+28	0	0	10	− 9	0·70	19	− 65	8·3	+ 1·8	50	1022
8. ENGLAND, S.W. ..	87	35	93·3	83·3	87·9	+ 1·0	709	+79	0	0	7	−12	0·84	22	− 59	9·1	+ 2·2	56	1022
9. IRELAND, NORTH ..	84	35	91·3	82·7	86·7	+ 0·8	616	+62	0	0	11	−13	1·01	25	− 68	6·4	+ 0·9	38	1022
10. IRELAND, SOUTH ..	85	33	93·2	83·4	88·0	+ 1·3	711	+92	0	0	8	−12	0·87	23	− 68	8·3	+ 2·3	50	1023
11. ENGLISH CHANNEL..	80	45	92·4	85·3	88·6	+ 1·2	757	+83	0	0	7	−11	0·90	23	− 43	9·6	+ 1·6	60	1022
MEAN: DISTRICTS 1-10..	89	29	92·2	82·4	87·0	+ 0·5	636	+38	0	0	10	−10	0·96	24	− 57	7·7	+ 1·3	46	1021

THE YEAR. Aggregates, &c., for the Period of 27 Weeks, January 2nd to July 9th, 1921.

0. SCOTLAND, NORTH ..	78	16	83·7	77·0	80·3	+ 0·9	962	+131	348	−191	117	− 6	26·14	666	+53	3·6	+ 0·1	28	1013
Eastern.																			
1. SCOTLAND, EAST ..	81	8	84·6	76·4	80·3	+ 0·8	1068	+117	451	−166	92	−13	11·32	285	− 74	4·8	+ 0·7	37	1015
2. ENGLAND, N.E. ..	87	22	85·8	77·9	81·7	+ 1·5	1367	+305	250	−222	76	−19	6·78	174	−108	4·8	+ 0·4	37	1017
3. ENGLAND, EAST ..	85	23	86·5	78·1	82·2	+ 1·5	1531	+279	227	−267	64	−29	5·86	150	−124	5·4	+ 0·7	41	1019
4. MIDLAND COUNTIES	89	23	86·8	77·8	82·1	+ 1·4	1518	+252	253	−269	72	−20	6·90	176	−135	4·9	+ 0·7	38	1019
5. ENGLAND, S.E. ..	86	21	86·9	79·1	82·6	+ 1·3	1622	+277	170	−209	68	−22	6·42	164	−141	5·4	+ 0·6	42	1019
Western.																			
6. SCOTLAND, WEST ..	81	19	85·0	77·9	81·3	+ 0·9	1209	+139	240	−176	109	− 3	20·84	528	− 14	—	—	—	1017
7. ENGLAND, N.W. ..	89	20	85·5	78·6	81·9	+ 1·1	1362	+223	161	−221	86	−13	11·72	299	− 90	5·1	+ 0·8	39	1018
8. ENGLAND, S.W. ..	87	22	86·5	79·0	82·6	+ 1·2	1564	+276	131	−170	79	−20	10·29	262	−172	5·5	+ 0·8	43	1020
9. IRELAND, NORTH ..	84	23	85·6	78·6	82·0	+ 1·1	1361	+231	148	−192	103	−18	12·81	324	−119	4·2	+ 0·2	32	1016
10. IRELAND, SOUTH ..	85	23	86·6	79·2	82·7	+ 1·0	1584	+240	117	−143	97	−10	12·70	324	−148	4·7	+ 0·3	36	1019
11. ENGLISH CHANNEL..	80	32	86·7	81·1	84·2	+ 1·6	1810	+310	27	− 78	80	−24	7·71	195	−164	6·1	+ 0·6	48	1020
MEAN: DISTRICTS 1-10 ..	89	8	86·0	78·3	81·9	+ 1·2	1419	+234	215	−204	85	−17	10·56	269	−113	5·0	+ 0·6	38	1018
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
15th July, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 28.

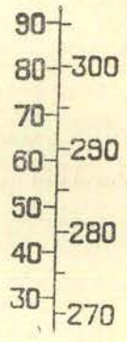
TWENTY-EIGHTH WEEK.
SUNDAY, JULY 10TH, TO SATURDAY, JULY 16TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net

I.—GENERAL SUMMARY. [First published in 1878.]

The anticyclone covering the British Isles maintained fine and very warm weather at the beginning of the week. There was no break in the drought in most parts of the country, but towards the end of the period the distribution of pressure became very irregular and there was a good deal of local rain, thunderstorms being reported at many places on the Thursday, Friday and Saturday. At Seskin, Carrick-on-Suir, a thunderstorm on the 14th brought 49mm. of rain. On the 16th, 21mm. were measured at West Witton in the North Riding, and on the same afternoon there was a very sharp thunderstorm at Thetford, Norfolk, more than 20mm. being registered in half an hour. Temperature was above the normal in all Districts, the differences at some stations being especially large, +6a at Cardiff and Killarney. The maximum temperatures for the week occurred mainly on the 10th and 11th. The highest value was 93° F. (307a), which occurred at Hodsock Priory, Worksop, on the 10th, and also at Southend on the 11th. At Durham the maximum temperature on the 10th, 87° F. (304a), was the highest recorded there since June, 1878, and the 84° F. (302a) at Aberdeen was the highest since July, 1876. The mean daily range of temperature was no less than 18a at Marlborough, while on the other hand it was only 3·5a at Castlebay.

Sunshine was above the normal in all Districts except Scotland E. The highest daily mean was 12·4 hours at Yarmouth, and the departure from normal ranged from +5·1 hours per day at Greenwich to −2·4 at Crathes. On the 10th over 15 hours were recorded both at Aberdeen and at Yarmouth. An exceptional mirage was observed at Skegness on the 10th between 16h. 30m. and 18h. Solar halos were observed at Oxford on the 13th, 15th and 16th, at Birmingham on the 15th, and also at Ross-on-Wye on the 16th. At Oxford a halo and corona were both observed round the moon late on the 16th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	2·7	11	1·4	24	3·1	5	2·1	11	3·0	23	3·3	19	3·1	21	3·8
North	6	1·5	8	1·6	2	2·3	12	1·5	8	2·2	1	1·0	2	1·1	2	1·4
West	11	3·9	9	4·3	4	2·8	9	1·3	8	1·9	3	1·1	4	5·4	2	2·0
East	12	4·5	13	2·2	21	3·6	12	5·6	10	3·7	24	4·3	22	2·9	21	3·2
Calm	4	—	6	—	2	—	6	—	9	—	0	—	2	—	5	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
	Rainfall ..	Very Light	Very Light	Light	Light	Very Light	Light	Moderate	Light	Light	Light	Moderate	Light
	Sunshine ..	Abundant	Moderate	Abundant	Very Abundant	Abundant	Abundant	—	Abundant	Abundant	Very Abundant	Very Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 7 weeks from May 29th, 1921.	Warmth ..	2, 4, 1	2, 4, 1	4, 2, 1	2, 4, 1	5, 1, 1	3, 3, 1	2, 5, 0	3, 4, 0	5, 2, 0	4, 2, 1	5, 1, 1	6, 1, 0
	Rainfall ..	0, 3, 4	0, 3, 4	0, 2, 5	0, 3, 4	0, 1, 6	0, 2, 5	1, 2, 4	0, 1, 6	0, 1, 6	0, 1, 6	0, 2, 5	0, 3, 4
	Sunshine ..	3, 2, 2	4, 2, 1	3, 4, 0	2, 5, 0	6, 1, 0	4, 3, 0	—	5, 1, 1	5, 1, 0	4, 2, 1	6, 1, 0	4, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
t Lerwick	54	60	10th	43	13th	54·1	46·1	49·8	− 1·8	1	0·04	1	− 10									
a, Islands *p* Deerness, Orkney	165	66	10th	46	13th	57·4	49·0	52·9	+0·4	1	0·01	0·3	− 13	Deerness	4·5	− 0·3	25	—	—	—	—	—	—
t Stornoway	51	68	15th	46	14th	62·9	51·6	56·9	+3·4	3	0·15	4	− 11	Stornoway	5·9	+0·8	34	—	—	—	—	—	—
t Castlebay, Barra I.	37	67	14th	53	13th	62·4	56·1	59·0	—	3	0·26	7	—	Castlebay	5·3	—	31	—	—	—	—	—	—
t Wick	81	70	10th	39	13th	57·4	46·7	51·7	−1·7	3	0·05	1	− 12									
b, Main- *a* Strathpeffer	125	77	10th	48	15th	70·0	52·0	60·4	+4·7	0	0·00	0	− 13									
land. *p* Glencarron	500	72	14th	49	12th	65·6	52·1	58·4	+·48	2	0·09	2	− 24									
a Fort Augustus	68	72	10th	45	14th	66·4	51·0	58·2	+2·7	3	0·08	2	− 12									
p Fort William	171	77	14th	48	13th	70·0	53·9	61·8	+5·8	3	0·20	5	− 19									
1. SCOTLAND, E.																						
t Nairn	82	78	10th	47	14, 15	68·7	50·9	59·2	+2·9	0	0·00	0	− 15	Nairn	6·9	—	39	—	—	—	—	—	—
p Gordon Castle	101	79	10th	50	13, 14	68·3	53·3	60·3	+4·0	0	0·00	0	− 18	Gordon Castle	7·5	—	43	—	—	—	—	—	—
t Aberdeen	46	84	10th	51	13th	65·1	55·1	59·8	+3·6	0	0·00	0·1	− 16	Aberdeen	4·0	− 1·5	23	0	51	—	—	54·3	+1·6
a Balmoral	930	77	10, 11	43	16th	66·0	50·3	57·6	+3·3	0	0·00	0	− 15	Balmoral	—	—	—	0	35	—	—	—	—
p Crieff	432	79	10th	51	13th	66·9	53·0	59·5	+1·7	2	0·26	7	− 10	Crathes	3·0	+2·4	17	0	49	58·7	+0·5	52·7	− 1·2
a Dundee	244	81	10th	49	12, 15	65·7	52·6	58·7	+0·7	1	0·05	1	− 15	Dundee	3·6	—	21	0	43	62·7	—	—	—
t Inchkeith (F. of Forth)	190	75	10th	53	13, 14	64·9	56·3	60·3	—	2	0·17	4	—	Inchkeith (F. of Forth)	—	—	—	0	45	—	—	—	—
p Edinburgh	441	82	10th	47	13th	70·1	53·7	61·3	+4·8	2	0·19	5	− 10	Edinburgh	7·3	+1·5	43	0	39	—	—	—	—
a West Linton	769	79	10th	41	13th	71·3	49·4	59·6	+5·1	2	0·09	2	—	West Linton	—	—	—	0	37	—	—	—	—
a Marchmont	498	—	—	—	—	—	—	—	—	—	—	—	—	Marchmont	—	—	—	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	76	10th	43	13th	68·4	52·7	60·0	—	4	0·33	8	—	Ford (Argyll)	—	—	—	0	47	63·0	—	55·9	—
t Renfrew	49	79	10th	45	13th	70·1	54·0	61·5	—	2	0·67	17	—	Renfrew	7·2	—	42	0	36	—	—	—	—
p Rothesay	200	76	10th	51	12, 13	66·1	53·0	59·1	+2·0	2	0·74	19	− 6	Rothesay	6·8	—	40	0	45	62·3	—	57·0	+2·0
a Kilmarnock	90	81	10th	43	13th	74·7	53·0	63·1	+6·5	2	0·61	15	− 5	Kilmarnock	6·0	—	35	—	—	64·2	—	56·0	—
a Colmonell	170	82	10th	44	13th	73·0	54·4	63·1	+7·1	2	0·27	7	− 13	Colmonell	—	—	—	0	40	—	—	—	—
p Dumfries	160	82	10th	46	13th	74·3	52·4	62·6	+4·2	3	0·82	21	+ 2	Dumfries	7·9	—	47	0	39	63·9	+2·2	57·3	− 0·9
t Eskdalemuir	794	79	10th	38	12th	70·9	47·3	58·3	—	3	0·43	11	—	Eskdalemuir	6·8	—	40	0	34	—	—	—	—
b, I. OF MAN *h* Douglas	284	75	10th	51	12th	69·3	55·7	62·0	+5·0	3	0·66	17	− 2	Douglas	9·2	+2·1	55	0	48	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	86	10th	43	13th	67·7	52·7	59·7	+2·1	1	0·11	3	− 11	Cockle Park	6·3	− 0·7	37	0	33	63·1	+4·9	57·2	+2·5
t Tynemouth	118	77	10th	53	12|13|14	66·3	56·0	60·8	+3·2	3	0·32	8	− 4									
p Durham	336	87	10th	43	14th	72·1	52·3	61·5	+3·0	3	0·22	6	− 7	Durham	7·5	+1·9	44	0	35	—	—	—	—
a North *p* Rounton	249	88	10th	45	14th	74·0	52·0	62·2	+4·4	3	0·25	6	− 9	Rounton	—	—	—	0	36	63·2	—	—	—
a West Witton	605	86	10th	50	12, 14	76·0	54·3	64·4	—	3	0·92	23	—	West Witton	—	—	—	0	44	63·8	—	54·7	—
h Scarborough	118	87	11th	54	14, 15	68·4	59·4	63·6	+4·6	2	0·05	1	− 11	Scarborough †	7·9	− 2·0	47	—	—	—	—	60·7	—
p York	56	89	10th	48	14th	77·6	54·9	65·5	+5·2	1	0·12	3	− 10	York	8·3	− 2·6	50	—	—	63·6	+4·4	57·4	+1·9
t Spurn Head	26	77	10th	54	13th	68·9	57·6	62·9	+3·4	1	0·02	0·4	− 9									
b, South *a* Lincoln	58	92	10th	54	12|13|14	80·7	56·3	67·7	+6·7	2	0·08	2	− 9	Lincoln	—	—	—	0	51	66·6	+6·3	58·6	+2·5
t Cranwell	237	89	10th	52	12, 14	79·1	55·3	66·4	+5·8	3	0·10	3	− 9	Cranwell	10·3	+3·5	62	0	49	—	—	—	—
														Skegness	11·2	+4·1	68	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	89	10th	54	13|14|15	73·0	56·3	64·1	+4·6	1	0·10	3	− 11	Cromer	11·1	+4·3	67	—	—	—	—	—	—
a Little Massingham	277	87	10th	51	15th	80·9	55·9	67·5	+7·3	2	0·14	4	− 11	Lit Massingham	11·1	+4·7	67	—	—	—	—	—	—
t Yarmouth	13	80	11th	56	12, 13	67·0	57·6	62·0	+1·9	1	0·01	0·3	− 13	Yarmouth	12·4	—	76	0	44	65·7	+1·9	59·7	+0·1
a Norwich	93	90	10th	50	10th	79·2	54·1	65·8	+5·1	1	0·08	2	− 13	Norwich	12·2	—	74	0	43	68·5	—	—	—
a Geldeston	37	88	11th	46	10th	75·9	52·4	63·3	+3·0	0	0·00	0	− 13	Geldeston	11·8	+4·9	72	—	—	—	—	—	—
p Cambridge	41	90	10, 11	52	10th	83·6	54·0	67·8	+6·6	2	0·08	2	− 10	Cambridge	11·6	+4·9	71	0	44	68·6	+6·2	60·3	+1·7
t Clacton-on-Sea	54	81	11th	54	10th	70·4	58·7	64·1	+3·3	0	0·00	0	− 11	Clacton-on-Sea	11·5	+4·4	71	0	51	67·0	+6·1	60·2	+1·6
a Rothamsted	420	88	10th	52	10th	81·4	54·6	67·1	+7·0	1	0·01	0·3	− 13	Rothamsted	10·4	+3·7	64	0	42	65·7	—	—	—
p Tottenham	51	91	11th	56	10th	83·7	60·1	71·1	—	0	0·00	0	—	Tottenham	11·0	—	68	0	55	—	—	65·7	+5·9
														Southend	11·7	—	72	—	—	—	—	—	—
4. MIDLAND COUNTIES.																						
h Harrogate	479	86	10th	48	14th	76·0	53·3	63·9	+6·0	3	0·25	6	− 9	Harrogate	8·0	+2·0	48	0	40	61·8	+4·8	57·9	+3·0
a North *p* Sheffield	429	89	10th	53	12|13|14	78·9	56·7	67·0	—	1	0·02	0·4	—	Sheffield	8·2	+2·3	49	0	43	63·1	+4·8	57·0	+3·2
h Buxton	987	84	10th	47	13th	76·1	52·6	63·5	+6·7	1	0·07	2	− 20	Buxton	8·4	—	51	0	40	69·8	+1·6	57·5	+3·7
a Worksop	56	93	10th	47	14th	82·7	53·4	67·0	+7·2	2	0·09	2	− 11	Worksop	8·2	+2·8	49	0	38	67·7	—	59·4	—
t Nottingham	82	92	10th	48	12th	83·0	55·7	68·4	+8·1	1	0·06	2	− 11	Nottingham	9·8	+4·0	59	0	47	69·7	+9·3	61·0	+4·1
b, East *p* Birmingham, Edgbsn.	525	89	10th	54	14th	82·3	58·0	69·3	+9·3	2	0·06	2	− 11	Birmingham	8·0	+3·1	49	0	51	66·1	+10·5	55·0	+3·1
a Raunds	203	90	10th	51	12, 14	83·6	53·9	67·7	+6·6	2	0·02	0·4	− 14	Raunds	10·4	—	64	0	48	70·6	—	—	—
p Oxford	208	89	10, 11	55	14, 15	83·6	57·3	69·5	+8·2	1	0·05	1	− 12	Oxford	9·3	+2·8	57	0	52	—	—	—	—
														Malvern	8·9	—	55	0	51	70·4	—	63·1	—
a Cheadle (N. Staffs.)	646	89	10th	51	13th	79·6	54·3	66·1	+7·8	1	0·07	2	− 14	Cheadle	—	—	—	0	51	—	—	—	—
c, West *p* Tenbury	313	88	10, 11	48	12th	82·3	53·6	67·0	+7·4	2	0·08	2	− 8	Tenbury	—	—	—	0	44	67·3	—	—	—
a Hereford	291	88	13th	51	11, 12	81·4	55·9	67·8	+7·5	1	0·12	3	− 9	Ross on Wye	9·0	—	55	0	42	71·2	—	61·7	—
a Clifton	225	87	10, 11	54	16th	82·7	59·7	70·4	+8·2	2	0·18	5	− 11	Clifton	9·3	—	57	0	53	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	87	10|11|13	46	11th	81·7	50·1	64·8	+5·6	1	0·06	2	− 11	Worthing	11·8	+4·0	73	0	49	67·2	+3·5	60·4	+1·4
a Porton	340	88	11th	46	10th	81·9	52·0	65·9	—	2	0·46	12	—	Marlborough	8·3	+2·1	52	0	40	67·2	—	58·4	—
a Wisley, Surrey	150	91	10, 11	50	10th	86·3	54·4	69·2	+7·9	1	0·02	1	− 9	Porton	—	—	—	0	40	69·2	—	—	—
h Tunbridge Wells	354	91	11th	50	10th	83·6	55·3	68·5	+7·5	0	0·00	0	− 12	Wisley, Surrey	10·9	+3·9	67	0	34	67·9	+5·6	59·7	+1·3
h Margate	51	87	11th	59	10|14|15	73·3	60·3	66·4	− 4·6	0	0·00	0	− 10	Tunbridge Wells	11·4	+4·2	71	0	40	65·6	+2·7	59·7	—
														Margate	11·4	+4·6	70	0	50	71·4	+9·7	65·0	+6·9
t Dungeness	21	81	11th	52	10th	71·9	57·9	64·4	− 3·7	1	0·04	1	− 9	Folkestone	12·5	—	78	0	46	—	—	60·0	—
h St. Leonards	178	85	11th	59	10|14|15	77·9	60·6	68·7	+7·7	1	0·01	0·3	− 12	St. Leonards	12·0	+4·1	74	0	42	69·6	—	60·2	—
p Southampton	64	90	11th	53	10th	82·4	57·0	68·8	+6·1	3	0·54	14	+ 2	Southampton	10·1	+2·9	63	0	44	—	—	—	—
a Ventnor	59	85	12th	60	10|11|16	77·4	62·0	69·2	+7·6	3	0·09	2	− 9	Ventnor	9·7	+2·1	60	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	90	10th	55	10th	83·1	59·4	70·4	+8·1	1	0·05	1	− 10	Richmond	10·9	+4·2	67	0	45	68·9	+7·2	59·4	+2·3
a Westminster	27	92	11th	57	10th	83·7	60·9	71·5	+8·7	0	0·00	0·1	− 12	Westminster	10·9	+4·9	67	0	:	—	—	—	—
ag Greenwich	149	94	11th	52	10th	85·0	56·6	69·8	+6·8	0	0·00	0	− 12	Greenwich	11·8	+5·1	73	0	37	—	—	—	—
a Hampstead	450	92	11th	57	14, 15	82·6	58·7	69·8	—	1	0·03	1	--	Hampstead	11·3	—	70	0	46	—	—	—	—
ag Camden Square	110	93	10, 11	56	10th	87·0	59·4	72·2	+8·4	0	0·00	0	− 13	Camden Square	—	—	—	0	53	69·9	—	61·0	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	79	10th	48	12, 13	73·1	52·9	62·3	+4·7	3	0·45	11	− 8	Aspatria	7·1	+0·9	42	0	45	64·0	+3·5	56·4	+1·9
p Newton Rigg	559													Newton Rigg									
p Stonyhurst	375	82	10th	49	12th	75·9	55·3	64·9	+6·7	2	0·06	2	− 19	Stonyhurst	7·9	+1·9	48	0	46	—	—	—	—
h Blackpool	66	78	13th	52	13th	74·6	56·0	64·7	+5·8	4	0·51	13	− 3	Blackpool	8·6	+1·4	52	0	43	63·2	—	56·9	—
h Southport	37	79	13, 15	52	12, 13	74·9	56·7	65·2	+6·2	4	0·24	6	− 10	Southport	8·9	+1·9	54	0	46	69·3	+6·0	62·6	+2·9
														Hoylake	8·9	+2·2	53	—	—	—	—	—	—
t Liverpool (Bidston)	188	80	13th	56	13, 14	75·7	59·4	67·0	+7·4	3	0·14	4	− 10	Liverpool	8·9	—	53	0	48	—	—	—	—
a Hawarden Bridge	22	84	10th	—	—	78·7	56·0	66·6	+6·4	3	0·10	3	− 9	Manchester City	9·3	+4·3	56	0	49	70·0	+9·8	62·8	+5·4
p Manchester (Whit. Pk.)	125	89	10th	51	12th	81·1	58·1	68·8	+8·5	1	0·15	4	− 14	„ Whit. Pk.	8·6	+3·2	52	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	78	10, 14	52	12th	74·9	59·0	66·4	+6·7	3	0·30	8	− 5	Llandudno	9·5	+2·7	57	—	—	—	—	—	—
t Holyhead	15	78	10th	56	12th	74·3	59.0	66·1	+8·0	4	0·85	22	+8	Holyhead	9·2	—	55	0	47	—	—	—	—
a Aberdovey	60	84	13th	58	11th	78·4	61·7	69·5	—	3	0·33	8	—	Aberdovey	8·9	+2·5	55	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	84	13th	54	11th	75·4	59·7	67·0	—	1	0·10	3	—	Aberystwyth	8·5	+2·5	52	—	—	—	—	—	—
a Rhayader	757	85	10th	45	11, 12	77·3	51·9	63·7	—	4	0·60	15	—	Rhayader ..	8·2	—	50	0	34	—	—	—	—
t Pembroke	149	79	12th	58	12th	72·1	61·0	66·2	+8·3	2	0·18	5	- 8	Pembroke ..	9·0	+2·1	56	—	—	—	—	—	—
p Cardiff	202	87	10, 13	56	11th	81·4	59·7	69·8	+10·0	1	0·22	6	-10	Cardiff ..	9·1	—	56	0	47	69·8	+8·6	61·1	+3·6
b, ENGLAND, S.W.																							
h Bath	66	89	10, 13	53	11th	83·3	56·7	69·1	+8·4	2	0·19	5	- 8	Bath	8·2	+1·2	50	—	—	70·2	+7·4	62·7	+3·7
a Shaftesbury	722	85	10–12	55	15th	79·4	58·6	68·3	+8·9	2	0·15	4	-10	Shaftesbury ..	—	—	—	—	—	68·8	—	60·8	—
a Arlington	613	84	12, 13	50	11th	79·6	57·1	67·6	+9·5	4	0·19	5	-16										
h Newquay	190	85	13th	53	11th	77·5	58·3	67·2	+7·7	2	0·06	1	-11	Newquay ..	9·6	+2·6	59	—	—	69·4	—	60·0	—
a Cullompton	202	89	11, 12	48	11th	82·6	54·0	67·3	+7·1	2	0·22	6	- 8	Cullompton ..	8·9	+2·7	55	0	40	71·4	—	—	—
t Portland Bill	19	77	12th	59	10, 15	70·1	60·9	65·2	+5·5	2	0·17	4	- 5	Weymouth ..	9·6	—	60	—	—	—	—	—	—
p Plymouth	116	81	11–13	55	10, 11	77·4	59·1	67·6	+7·1	3	0·06	2	-13	Plymouth ..	9·7	+2·7	60	0	48	71·1	+7·7	61·6	—
a Falmouth	167	81	11th	57	10th	75·3	60·9	67·6	+7·7	2	0·21	5	-10	Falmouth ..	9·4	+2·0	59	0	49	70·0	—	64·4	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	76	13, 14	55	11th	72·4	59·4	65·5	+8·2	2	0·02	1	-17										
a, West .. *a* Mallarany ..	120	84	12th	55	12th	77·4	58·7	67·4	—	3	0·50	13	—	Mallarany ..	6·8	—	41	0	46	—	—	—	—
p Markree Castle..	122	82	13th	49	10, 12	77·1	55·3	65·4	+8·7	5	0·75	19	- 1	Markree Castle	8·0	+3·3	48	0	46	65·8	+5·3	58·0	+2·5
p Armagh	204	85	10th	50	12, 13	76·3	55·1	65·0	+7·4	3	0·23	6	-11	Armagh ..	8·3	+3·3	50	0	43	64·8	+4·2	58·1	+1·8
b, East .. *t* Donaghadee ..	35	77	10th	52	11th	66·3	55·6	60·6	+3·6	3	0·30	8	- 8										
														Trinity Coll.	7·2	—	43	0	42	68·9	+7·3	60·6	+3·8
10. IRELAND, S.														Phœnix Park	7·9	+2·1	48	0	44	—	—	—	—
p Dublin City	54	79	10th	59	12th	72·7	60·4	66·1	+6·3	4	0·77	20	+5	Dublin City ..	—	—	—	0	54	—	—	—	—
t Birr Castle	175	86	12th	53	11th	79·7	56·9	67·5	+9·4	3	0·16	4	-13	Birr Castle ..	8·9	+4·0	54	0	44	—	—	—	—
a Kilkenny	195	86	10, 12	51	11th	79·9	56·0	67·1	+8·4	3	0·45	11	- 5										
a Waterford	137	84	11, 13	56	10–13	79·1	58·3	68·0	+8·7	3	0·66	17	- 1										
p Seskin, Carrick-on-Suir	542	85	11th	56	13th	78·4	58·0	67·5	—	3	2·68	68	—	Seskin ..	9·7	—	59	0	42	—	—	—	—
a Foynes	50	87	12th	55	10, 11	79·9	58·1	68·2	+9·7	3	0·90	23	+5										
t Cahirciveen (Val. Obs.)	30	84	12th	51	11th	76·0	58·1	66·4	+8·1	3	0·91	23	+1	Cahirciveen ..	8·9	+3·5	54	0	45	—	—	—	—
a Killarney	174	90	12th	51	11th	80·4	59·0	69·0	+10·3	3	0·74	19	0	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	77	13th	57	11th	72·7	60·7	66·3	+7·8	4	1·24	32	+16										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	82	11th	59	10th	74·4	61·4	67·5	+7·3	3	0·16	4	- 8	Scilly	9·0	+1·8	56	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	87	10th	59	14th	80·6	63·1	71·2	+9·3	3	0·17	4	- 7	St. Heliers ..	10·0	+1·9	63	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	85	11th	56	10th	78·3	58·8	67·9	+6·4	2	0·10	3	- 9	Guernsey† ..	10·3	+1·9	64	0	40	73·0	+10·0	65·2	+5·4

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 16th, 1921.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	65	87	16	0	130	10	15	13	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	119	45	4	340	4	11	12	9	11	12	10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	9	138	21	0	310	7	11	9	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	18	119	31	0	270	8	11	13	11	11	13	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	6	101	61	0	220	6	10	16	12	11	12	50
Paisley	188	81	15	—	0	—	0	15	131	22	0	100	7	11	12	14	11	12	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	13	93	62	0	140	6	14	13	11	14	11	30
South Shields	72	61	12	—	0	—	0	50	71	47	0	150	10	14	18	12	14	18	0
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	62	97	9	0	130	9	14	5	12	14	5	35
Shoeburyness	103	90	‡	—	0	—	0	0	59	109	0	70	5	13	18	8	13	18	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	16	96	56	0	110	11	13	21	16	13	20	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	21	77	47	23	—	10	13	21	14	13	20	35
Butler's Cross, Larkhill ..	513	63	43	—	0	—	0	38	110	4	16	70	9	13	24	11	16	15	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	41	91	36	0	80	9	13	20	13	13	19	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	31	116	21	0	120	8	15	15	—	—	—	—
Southport	80	62	48	—	0	—	0	55	83	30	0	250	8	16	16	14	16	15	30
Holyhead	60	40	‡	—	0	—	0	34	105	29	0	80	9	13	10	12	15	17	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	13, 15, 16	22	60	55	12	19	210	14	16	2	16	16	2	0
Plymouth	185	88	2	—	0	—	0	28	91	49	0	—	10	13	13	16	13	13	10
Lyme Regis	556	61	‡	—	0	—	0	0	81	87	0	—	5	14	6	8	13	13	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	45	105	18	0	260	9	11	2	—	—	—	—
Quilty	100	40	‡	—	0	15	1	66	67	34	0	—	11	15	12	20	15	14	10
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	71	69	28	0	100	10	13	14	16	13	13	15
Weaver Pt.	160	30	‡	—	0	15	8	82	60	17	1	—	13	15	19	19	15	19	10
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-EIGHTH WEEK of 1921—July 10th to July 16th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	77	39	90·7	83·3	86·7	+ 1·5	103	+14	0	0	2	− 2	0·09	2	−15	5·2	+0·6	29	1018
Eastern.																			
1. SCOTLAND, EAST ..	84	41	92·8	84·6	88·4	+ 1·8	124	+24	0	0	1	− 3	0·09	2	−15	5·0	− 0·5	29	1018
2. ENGLAND, N.E. ..	92	43	95·7	85·9	90·4	+ 2·5	150	+34	0	0	2	− 1	0·14	4	− 9	8·6	+ 2·4	51	1019
3. ENGLAND, EAST ..	91	46	98·1	86·3	91·8	+ 3·0	167	+37	0	0	1	− 2	0·05	1	−12	11·4	+ 4·6	69	1019
4. MIDLAND COUNTIES	93	47	100·6	86·1	92·8	+ 4·4	180	+56	0	0	2	− 1	0·10	3	−10	8·7	+ 2·7	53	1018
5. ENGLAND, S.E. ..	91	46	99·7	86·8	92·8	+ 3·5	179	+46	0	0	1	− 2	0·13	3	− 8	10·9	+ 3·7	68	1018
Western.																			
6. SCOTLAND, WEST ..	82	38	94·6	84·6	89·2	+ 2·3	134	+29	0	0	3	− 1	0·57	14	− 8	—	—	—	1018
7. ENGLAND, N.W. ..	89	48	96·8	86·7	91·8	+ 4·0	167	+50	0	0	3	0	0·30	7	−10	8·3	+ 2·0	50	1017
8. ENGLAND, S.W. ..	89	45	98·5	87·4	92·6	+ 4·3	176	+54	0	0	2	− 1	0·22	6	−10	8·9	+ 2·4	55	1017
9. IRELAND NORTH ..	86	49	96·6	86·6	91·2	+ 4·3	160	+55	0	0	3	− 1	0·29	7	−11	8·2	+ 3·2	49	1015
10. IRELAND, SOUTH ..	90	51	98·3	87·7	92·6	+ 4·8	177	+60	0	0	3	− 1	0·73	19	+ 1	8·6	+ 3·1	52	1014
11. ENGLISH CHANNEL..	87	56	98·4	89·2	93·5	+ 4·4	188	+55	0	0	3	0	0·14	4	− 8	9·8	+ 1·9	61	1016
MEAN: DISTRICTS 1-10	93	38	97·2	86·3	91·4	+ 3·5	161	+45	0	0	2	− 1	0·26	7	− 9	8·7	+ 2·6	53	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, May 29th to July 16th, 1921.

0. SCOTLAND, NORTH ..	78	35	88·7	81·4	84·8	+ 0·2	549	+11	0	− 2	22	− 5	2·38	60	− 55	4·5	− 0.5	25	1019
Eastern																			
1. SCOTLAND, EAST ..	84	29	90·9	81·3	85·7	+ 0 3	633	+29	0	− 1	17	− 7	1·55	39	− 57	6·8	+ 0·9	39	1020
2. ENGLAND, N.E. ..	92	34	92·1	82·7	87·0	+ 0·7	751	+68	0	0	14	− 7	1·04	27	− 57	7·3	+ 1·1	43	1021
3. ENGLAND, EAST ..	91	33	93·1	82·9	87·6	+ 0·3	801	+25	0	0	9	−12	0·68	17	− 64	7·8	+ 0·9	47	1021
4. MIDLAND COUNTIES	93	34	95·1	82·6	88·4	+ 1·3	867	+109	0	0	10	−11	0·80	21	− 67	8·2	+ 2·0	49	1021
5. ENGLAND, S.E. ..	91	32	94·2	83·4	88·4	+ 0·7	874	+67	0	0	5	−15	0·50	12	− 65	8·5	+ 1·3	52	1021
Western.																			
6. SCOTLAND, WEST ..	82	37	91·6	82·3	86·6	+ 0·6	711	+50	0	0	16	−10	2·66	66	− 58	—	—	—	1020
7. ENGLAND, N.W. ..	89	35	92·3	83·2	87·5	+ 0·8	792	+78	0	0	13	− 9	1·00	26	− 75	8·3	+ 1·8	49	1021
8. ENGLAND, S.W. ..	89	35	94·0	83·9	88·6	+ 1·5	885	+133	0	0	9	−13	1·06	28	− 69	9·1	+ 2·3	55	1021
9. IRELAND, NORTH ..	86	35	92·0	83.2	87·3	+ 1·3	776	+117	0	0	14	−14	1·30	32	− 79	6·7	+ 1·3	39	1021
10. IRELAND, SOUTH ..	90	33	93·9	84·0	88·6	+ 1·7	888	+152	0	0	11	−13	1·60	42	− 67	8·4	+ 2·5	50	1022
11. ENGLISH CHANNEL..	87	45	93·2	85·8	89·3	+ 1·6	945	+138	0	0	10	−11	0·04	27	− 51	9·6	+ 1·6	60	1021
MEAN: DISTRICTS 1-10..	93	29	92·9	83·0	87·6	+ 0·9	798	+83	0	0	12	−11	1·22	31	− 66	7·9	+ 1·6	47	1021

THE YEAR. Aggregates, &c., for the Period of 28 Weeks, January 2nd to July 16th, 1921.

0. SCOTLAND, NORTH ..	78	16	84·0	77·2	80·5	+ 0·9	1065	+145	348	−191	119	− 8	26·23	668	+38	3·7	+ 0·1	28	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	84·9	76·7	80·6	+ 0·8	1192	+141	451	−166	93	−16	11·41	287	− 89	4·8	+ 0·7	37	1015
2. ENGLAND, N.E. ..	92	22	86·2	78·2	82·0	+ 1·5	1517	+339	250	−222	78	−20	6·92	178	−117	4·9	+ 0·4	38	1017
3. ENGLAND, EAST ..	91	23	86·9	78·4	82·5	+ 1·5	1698	+316	227	−267	65	−31	5·91	151	−136	5·5	+ 0·8	43	1019
4. MIDLAND COUNTIES	93	23	87·3	78·1	82·5	+ 1·5	1698	+308	253	−269	74	−21	7·00	179	−145	5·0	+ 0·8	39	1019
5. ENGLAND, S.E. ..	91	21	87·4	79·3	83·0	+ 1·4	1801	+323	170	−209	69	−24	6·55	167	−149	5·6	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	85·3	78·1	81·6	+ 0·9	1343	+168	240	−176	112	− 4	21·41	542	− 22	—	—	—	1017
7. ENGLAND, N.W. ..	89	20	85·9	78·9	82·3	+ 1·3	1529	+273	161	−221	89	−13	12·02	306	−100	5·2	+ 0·8	40	1018
8. ENGLAND, S.W. ..	89	22	87·0	79·3	83·0	+ 1·4	1740	+330	131	−170	81	−21	10·51	268	−182	5·7	+ 1·0	44	1019
9. IRELAND, NORTH ..	86	23	86·0	78·9	82·3	+ 1·2	1521	+286	148	−192	106	−19	13·10	331	−130	4·3	+ 0·3	33	1016
10. IRELAND, SOUTH ..	90	23	87·0	79·5	83·1	+ 1·2	1761	+300	117	−143	100	−11	13·43	343	−147	4·8	+ 0·4	37	1019
11. ENGLISH CHANNEL..	87	32	87·1	81·4	84·5	+ 1·6	1998	+365	27	− 78	83	−24	7·85	199	−172	6·2	+ 0·6	49	1020
MEAN: DISTRICTS 1-10 ..	93	8	86·4	78·5	82·3	+ 1·3	1580	+278	215	−204	87	−18	10·83	275	−122	5·1	+ 0·7	39	1018
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
22nd July, 1921.

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SUNDAY, JULY 17TH, TO SATURDAY, JULY 23RD, 1921.

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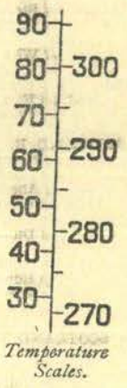
I.—GENERAL SUMMARY. [First published in 1878.]



Temperature Scales.

High pressure was maintained over the British Isles until near the end of the week, when a depression from the neighbourhood of Iceland travelled slowly towards Scandinavia. There was a good deal of rain in the north of Scotland, especially on the 21st when 24mm. were recorded at Fort William, 22mm. at Glencarron and 17mm. at Stornoway. Thunderstorms were reported at several places on the 17th but in most cases there was only slight rain. Over large areas, especially in the South and East of England, the drought still prevailed. Temperature was above the normal in all Districts, the nights being especially warm. The minimum temperature at Hampstead on the 20th was 67° F. (292a) the highest recorded since observations began in 1909. The same value was recorded at several places on the 23rd, amongst them Ross-on-Wye, the night being the warmest on record for that place. On the 19th a maximum temperature of 90° F. (305a) was recorded at Ross-on-Wye and also at Tunbridge Wells. Bright sunshine was above the normal in all Districts except Scotland N., England N.W. and Ireland N., though the daily means were lower than in the past week or two. The highest mean was 9·5 hrs. at Jersey and the lowest 2·6 hrs. at Castlebay in the Hebrides. The departure from normal ranged from +3·1 hrs. per day at Ballinacurra (Cork Harbour) to —1·6 at Aspatria (Cumberland). A lunar halo was reported at Gorleston on the 22nd and solar halos at Oxford on the 17th, 20th, 21st and 22nd. A lunar rainbow was seen at Hodsock Priory, Worksop, on the 23rd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h:) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ ay	m/s	¼-day	m/s
South	18	4·1	14	2·4	3	2·3	8	3·8	12	5·3	10	3·3	15	3·6	15	3·8
North	4	2·5	2	3·3	21	3·5	10	2·6	11	2·6	13	3·0	9	2·9	9	3·3
West	12	7·5	18	6·0	12	5·2	15	3·1	21	3·6	17	5·8	21	5·3	21	4·4
East	13	3·0	0	0·0	10	2·4	3	1·4	2	0·4	9	3·5	5	2·6	3	1·6
Calm	3	—	10	—	3	—	9	—	5	—	0	—	2	—	4	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
	Rainfall ..	Heavy	Light	Light	Very Light	Very Light	Very Light	Moderate	Moderate	Light	Moderate	Light	Light
	Sunshine ..	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	—	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 8 weeks from May 29th, 1921.	Warmth ..	3, 4, 1	3, 4, 1	5, 2, 1	3, 4, 1	6, 1, 1	4, 3, 1	3, 5, 0	4, 4, 0	6, 2, 0	5, 2, 1	6, 1, 1	7, 1, 0
	Rainfall ..	1, 3, 4	0, 3, 5	0, 2, 6	0, 3, 5	0, 1, 7	0, 2, 6	1, 3, 4	0, 2, 6	0, 1, 7	0, 2, 6	0, 2, 6	0, 3, 5
	Sunshine ..	3, 3, 2	4, 3, 1	3, 5, 0	3, 5, 0	6, 2, 0	5, 3, 0	—	5, 2, 1	6, 2, 0	4, 3, 1	6, 2, 0	4, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	62	18th	47	23rd	57·0	49·7	53·1	+0·5	5	0·71	18	+ 3										
p Deerness, Orkney ..	165	69	17th	49	23rd	59·9	51·3	55·3	+1·8	6	1·01	26	+ 9	Deerness ..	4·0	− 0·2	23	—	—	—	—	—	—
a, Islands *t* Stornoway	51	71	17th	47	23rd	61·7	53·1	57·1	+2·6	6	1·44	37	+16	Stornoway ..	3·6	− 0·8	21	—	—	—	—	—	—
t Castlebay, Barra I. ..	37	64	17th	51	23rd	59·9	54·9	57·2	—		—	—	—	Castlebay ..	2·6	—	15	—	—	—	—	—	—
t Wick	81	66	18, 22	48	18?123	61·4	50·9	55·8	+1·4	6	1·28	33	+16										
a Strathpeffer	125	77	18th	50	23rd	67·6	54·3	60·5	+3·8	3	0·73	19	+ 2										
b, Main- *p* Glencarron	500	72	18th	45	*19th	63·0	50·0	56·1	+1·5	7	1·90	48	+12										
land. *a* Fort Augustus	68	80	18th	49	18th	67·3	54·3	60·4	+3·9	5	0·99	25	+ 6										
p Fort William	171	81	18th	50	23rd	67·7	53·7	60·2	+3·2	6	1·52	39	+ 6										
1. SCOTLAND, E.																							
t Nairn	82	76	18th	51	18, 23	69·6	54·4	61·5	+5·1	3	0·35	9	− 7	Nairn ..	3·9	—	23	—	—	—	—	—	—
p Gordon Castle	101	77	18th	49	23rd	69·7	54·1	61·4	+5·0	1	0·20	5	− 15	Gordon Castle	3·7	—	22	—	—	—	—	—	—
t Aberdeen	46	74	22nd	47	18th	68·1	54·7	60·9	+4·6	4	0·15	4	− 13	Aberdeen ..	5·2	+0·1	31	0	44	—	—	55·1	+1·9
a Balmoral	930	81	18th	45	18th	69·0	50·6	59·2	+4·9	3	0·30	8	− 9	Balmoral	—	—	—	0	34	—	—	—	—
p Crieff	432	82	18th	46	23rd	69·9	52·0	60·3	+2·5	4	0·15	4	− 16	Crathes ..	5·3	+0·4	31	0	39	58·6	+0·3	53·2	− 1·2
a Dundee	244	78	18, 19	48	18, 23	72·7	51·6	61·4	+3·4	3	0·15	4	− 14	Dundee ..	6·1	—	36	0	42	62·1	—	—	—
t Inchkeith (F. of Forth)	190	73	18th	54	23rd	65·1	56·1	60·3	+2·0	5	0·18	5	− 11	Inchkeith (F. of Forth)	—	—	—	0	46	—	—	—	—
p Edinburgh	441	78	18th	49	23rd	68·6	53·6	60·6	+4·0	4	0·26	7	− 9	Edinburgh ..	4·9	− 0·4	29	0	48	—	—	—	—
a West Linton	769	79	18th	45	18th	66·9	52·0	58·9	+4·4	5	0·58	15	—	West Linton	—	—	—	0	41	—	—	—	—
a Marchmont	498	—	—	50	21st	—	54·0	—	—	4	0·45	11	− 9	Marchmont ..	5·1	− 0·2	30	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	75	18th	51	18, 23	66·0	53·8	59·5	—	6	1·62	41	—	Ford (Argyll)	—	—	—	0	45	62·4	—	57·0	—
t Renfrew	49	80	18th	52	23rd	68·0	56·1	61·6	—	2	0·23	6	—	Renfrew ..	3·7	—	22	0	44	—	—	—	—
p Rothesay	200	78	18th	48	23rd	66·4	53·3	59·4	+2·1	5	0·75	19	− 4	Rothesay ..	3·6	—	22	0	45	61·0	—	57·0	+1·7
a Kilmarnock	90	81	18th	51	23rd	69·3	55·3	61·8	+5·1	4	0·93	24	+ 5	Kilmarnock ..	2·8	—	17	—	—	62·8	—	56·7	—
a Colmonell	170	78	18th	51	18th	68·3	54·7	61·0	+4·8	5	1·34	34	+16	Colmonell ..	—	—	—	0	47	—	—	—	—
p Dumfries	160	82	18th	51	23rd	69·4	55·7	62·1	+3·5	2	0·76	19	+ 1	Dumfries ..	4·0	—	24	0	49	63·7	+2·3	58·1	− 0·7
t Eskdalemuir	794	79	18th	47	21st	67·4	53·4	59·9	—	3	1·05	27	—	Eskdalemuir	3·7	—	22	0	44	—	—	—	—
b, I. OF MAN *h* Douglas	284	78	18th	51	21st	68·1	56·9	62·1	+4·9	2	0·49	12	− 6	Douglas ..	6·0	− 0·3	36	0	47	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	76	18th	51	18th	70·7	55·7	62·7	+5·2	3	0·31	8	− 8	Cockle Park ..	4·8	− 0·5	29	0	36	62·6	+4·3	57·7	+2·6
t Tynemouth	118	73	20th	53	21st	67·1	56·9	61·6	+4·1	3	0·25	6	− 8										
p Durham	336	82	18th	49	22nd	74·1	52·7	62·7	+4·4	2	0·22	6	− 10	Durham ..	4·6	− 0·5	28	0	41	—	—	—	—
a North .. *p* Rounton	249	77	19th	46	21st	72·9	53·4	62·5	+4·8	2	0·31	8	− 9	Rounton ..	—	—	—	0	42	63·2	—	—	—
a West Witton	605	81	18th	48	21st	72·3	55·1	63·1	—	3	0·28	7	—	West Witton	—	—	—	0	42	63·2	—	56·1	—
h Scarborough	118	80	20th	52	21st	71·0	57·1	63·6	+4·6	2	0·77	20	+ 6	Scarborough †	5·9	+0·5	36	—	—	—	—	61·3	—
p York	56	84	17, 18	55	18th	77·1	57·9	66·8	+6·7	2	0·26	7	− 8	York ..	5·9	+0·7	36	—	—	63·8	+4·3	58·4	+2·3
t Spurn Head	26	77	20th	55	21st	71·7	57·6	64·2	+4·6	1	0·17	4	− 6										
b, South .. *a* Lincoln	58	85	17th	49	21st	78·3	57·4	67·1	+6·3	1	0·03	1	− 12	Lincoln ..	—	—	—	0	46	65·9	+5·1	60·1	+3·5
t Cranwell	237	84	17, 19	46	21st	78·7	56·0	66·6	+6·1	1	0·09	2	− 12	Cranwell ..	7·9	+1·6	49	0	42	—	—	—	—
														Skegness ..	8·3	+1·7	51	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	81	20th	54	22, 23	74·4	56·6	64·9	+4·9	2	0·04	1	− 15	Cromer ..	7·1	+0·6	44	—	—	—	—	—	—
a Little Massingham ..	277	82	17th	51	21st	77·3	58·1	67·0	+6·4	0	0·00	0	− 18	Lit Massingham	7·8	+1·7	48	—	—	—	—	—	—
t Yarmouth	13	83	20th	55	21st	75·9	57·9	65·3	+5·8	0	0·00	0	− 15	Yarmouth ..	8·2	—	51	0	51	67·7	+3·5	61·7	+1·5
a Norwich	93	86	17th	55	21, 22	80·4	58·4	68·6	+7·5	1	0·01	0	− 17	Norwich ..	8·5	—	52	0	49	70·3	—	—	—
a Geldeston	37	87	17, 19	51	21st	81·4	56·9	68·3	+7·6	0	0·00	0	− 15	Geldeston ..	8·6	+1·9	53	—	—	—	—	—	—
p Cambridge	41	88	17, 19	50	22nd	81·7	56·7	68·3	+6·7	0	0·00	0	− 14	Cambridge ..	8·1	+1·7	50	0	43	70·6	+7·7	62·1	+3·0
t Clacton-on-Sea ..	54	86	20th	53	21st	78·3	59·7	68·4	+7·2	1	0·02	1	− 11	Clacton-on-Sea	7·1	+0·1	44	0	50	68·5	+7·2	61·8	+2·7
a Rothamsted	420	87	19th	51	21st	79·6	57·1	67·6	+7·1	1	0·01	0·2	− 15	Rothamsted	7·0	+0·5	43	0	44	67·5	—	—	—
p Tottenham	51	88	19th	54	21st	82·7	61·4	71·3	—	1	0·08	2	—	Tottenham ..	8·5	—	53	0	57	—	—	67·4	+7·0
														Southend ..	8·7	—	54	—	—	—	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	81	18, 19	46	21st	74·3	55·3	64·1	+5·8	1	0·40	10	− 4	Harrogate ..	6·0	+0·5	37	0	39	62·1	+4·7	58·7	+3·2
a North .. *p* Sheffield ..	429	84	18th	49	21st	76·4	57·6	66·4	—	2	0·11	3	—	Sheffield ..	5·4	− 0·1	33	0	39	63·3	+4·4	58·2	+3·8
h Buxton	987											—	—	Buxton ..	—	—	—	—	—	—	—	—	—
a Worksop	56	87	18th	45	21st	80·7	54·4	66·6	+6·4	1	0·01	0	− 12	Worksop ..	6·4	+1·4	39	0	35	67·3	—	60·5	—
t Nottingham	82	86	17th	50	21st	79·6	58·4	68·3	+7·6	2	0·12	3	− 9	Nottingham ..	7·0	+1·6	43	0	41	69·7	+8·8	62·3	+4·9
b, East .. *p* Birmingham, Edgbsn...	525	86	18, 19	49	21st	79·3	58·4	68·1	+7·7	0	0·00	0	− 12	Birmingham	5·8	+1·2	36	0	40	65·2	+9·0	56·1	+3·6
a Raunds	263	88	19th	49	21st	80·7	57·0	68·0	+6·5	0	0·00	0	− 13	Raunds ..	7·6	—	47	0	48	71·0	—	—	—
p Oxford	208	88	19th	52	21st	81·1	58·9	69·2	+7·5	2	0·18	5	− 7	Oxford ..	7·6	+1·6	47	0	49	—	—	—	—
														Malvern	6·9	—	43	0	47	69·5	—	64·7	—
a Cheadle (N. Staffs.) ..	646	84	18th	46	21st	76·7	57·0	66·2	+7·5	1	0·05	1	− 14	Cheadle	—	—	—	0	48	—	—	—	—
c, West .. *p* Tenbury	313	87	18, 19	44	21st	80·0	55·1	66·7	+6·7	1	0·02	1	− 9	Tenbury ..	—	—	—	0	39	67·2	—	—	—
a Hereford	291	88	19th	44	21st	80·9	57·0	68·1	+7·4	0	0·00	0	− 11	Ross on Wye	6·8	—	42	0	39	71·1	—	62·8	—
a Clifton	225	87	18, 19	53	22nd	79·4	60·6	69·4	+6·8	2	0·29	7	− 8	Clifton ..	6·9	—	43	0	51	—	—	—	—
5. ENGLAND, S.E.																							
														Worthing ..	8·6	+1·3	54	0	48	69·0	+5·0	61·7	+2·1
a Marlborough	424	87	19th	45	21st	80·0	53·3	65·7	+6·4	2	0·02	0·4	− 15	Marlborough	6·8	+0·9	42	0	35	67·2	—	59·4	—
a Porton	340	87	19th	46	22nd	80·7	55·1	67·0	—	1	0·02	1	—	Porton	—	—	—	0	37	68·5	—	—	—
a Wisley, Surrey ..	150	89	19th	49	21st	83·4	56·9	69·2	+7·8	1	0·09	2	− 10	Wisley, Surrey	8·3	+1·8	52	0	36	69·3	+6·7	61·1	+2·2
h Tunbridge Wells ..	354	90	19, 20	52	22nd	82·6	58·0	69·4	+8·2	1	0·08	2	− 12	Tunbridge Wells	8·4	+1·7	53	0	41	67·4	+4·1	61·2	—
h Margate	51	84	20th	58	22nd	76·3	62·0	68·7	+6·6	0	0·00	0	− 12	Margate ..	8·6	+2·2	54	0	53	73·4	+11·4	66·9	+8·3
t Dungeness	21	81	19th	?55	17th	73·3	59·9	66·1	+5·0	0	0·00	0	− 11	Folkestone ..	8·3	—	52	0	42	—	—	60·8	—
h St. Leonards	178	85	18th	56	21st	76·9	61·4	68·6	+7·3	1	0·02	0·4	− 14	St. Leonards ..	8·5	+1·2	54	0	54	71·4	—	61·9	—
p Southampton	64	90	19th	52	21, 22	81·6	58·7	69·4	+6·5	2	0·07	2	− 12	Southampton	8·1	+1·3	51	0	45	—	—	—	—
a Ventnor	59	86	19th	54	21st	76·9	61·3	68·6	+6·7	2	0·06	1	− 11	Ventnor ..	8·2	+1·2	52	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	88	19th	55	21st	82·1	60·9	70·8	+8·4	1	0·04	1	− 12	Richmond	8·2	+1·9	51	0	44	69·8	+7·7	60·8	+3·2
a Westminster	27	90	19th	56	21st	83·4	61·7	71·8	+8·8	0	0·00	0	− 14	Westminster	7·6	+2·0	48	0	52	—	—	—	—
ag Greenwich	149	91	19th	54	21st	86·0	58·7	71·4	+8·3	1	0·08	2	− 12	Greenwich ..	9·0	+2·7	56	0	41	—	—	—	—
a Hampstead	450	89	19th	52	21st	81·6	59·6	69·8	—	1	0·05	1	—	Hampstead ..	8·3	—	52	0	46	—	—	—	—
ag Camden Square ..	110	92	19, 20	54	21st	85·4	60·6	72·1	+8·3	0	0·00	0	− 15	Camden Square	—	—	—	0	51	71·6	—	62·7	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	80	18th	50	21st	69·9	55·0	61·9	+4·0	4	0·77	20	+ 1	Aspatria	3·9	− 1·6	23	0	47	62·4	+2·0	57·4	+2·4
p Newton Rigg	559													Newton Rigg									
p Stonyhurst	375	83	18th	51	21st	71·9	58·4	64·7	+6·2	3	1·56	40	+18	Stonyhurst ..	4·3	− 1·1	26	0	46	—	—	—	—
h Blackpool	66	79	17th	55	23rd	70·6	59·4	64·6	+5·4	2	0·47	12	− 4	Blackpool ..	5·1	− 1·2	31	0	51	63·7	—	57·6	—
h Southport	37	73	17th	56	21, 23	69·7	59·9	64·5	+5·2	3	1·01	26	+10	Southport ..	5·5	− 0·6	34	0	52	68·2	+4·6	63·1	+2·8
														Hoylake ..	5·7	− 0·2	35	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	76	18th	56	18?223	71·4	59·0	64·8	+4·9	2	0·29	7	− 7	Liverpool ..	5·6	—	34	0	49	—	—	—	—
a Hawarden Bridge ..	22	77	17, 19	55	21, 22	73·7	60·1	66·4	+5·9	2	0·12	3	− 10	Manchester City	4·1	− 0·3	25	0	50	70·2	+9·4	64·7	+6·7
p Manchester (Whit. Pk.)	125	86	18th	48	21st	75·9	57·6	66·1	+5·6	3	0·47	12	− 6	„ Whit. Pk.	3·2	− 1·4	20	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	76	19th	54	18th	70·6	58·6	64·2	+4·1	2	0·43	11	− 2	Llandudno ..	5·1	− 0·9	31	—	—	—	—	—	—
t Holyhead	15	73	17th	54	21st	67·9	57·7	62·4	+3·8	4	0·28	7	− 7	Holyhead ..	5·5	—	34	0	43	—	—	—	—
a Aberdovey	60	83	18th	55	21st	72·6	61·7	66·8	—	2	0·15	4	—	Aberdovey ..	6·2	+0·4	38	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	76	18th	52	21st	70·3	60·1	64·8	—	2	0·11	3	—	Aberystwyth	5·8	+0·2	36	—	—	—	—	—	—
a Rhayader	757	81	18th	39	21st	73·3	53·9	62·9	—	3	0·57	15	—	Rhayader	4·7	—	29	0	32	—	—	—	—
t Pembroke	149	76	18th	—	—	70·1	59·9	64·6	+5·9	2	0·04	1	-14	Pembroke	8·0	+1·6	50	—	—	—	—	—	—
p Cardiff	202	85	18, 19	51	21st	78·0	58·3	67·5	+7·1	2	0·26	7	-13	Cardiff	6·8	—	42	0	40	69·2	+8·1	62·1	+3·9
b, ENGLAND, S.W.																							
h Bath	66	87	18, 19	53	21st	80·4	60·0	69·5	+8·3	2	0·06	2	-13	Bath	5·6	- 0·9	35	—	—	70·1	+6·6	63·9	+3·9
a Shaftesbury	722	85	18, 19	49	21st	78·0	57·3	66·9	+6·9	1	0·10	3	-13	Shaftesbury	—	—	—	—	—	68·1	—	61·9	—
a Arlington	613	83	19th	49	22nd	73·9	57·8	65·3	+6·6	3	0·54	14	-11										
h Newquay	190	76	17th	52	21, 22	70·7	59·4	64·7	+4·5	3	0·09	2	-12	Newquay	6·9	+0·5	44	—	—	68·9	—	60·9	—
a Cullompton	202	89	19th	47	22nd	80·7	57·9	68·5	+7·8	2	0·09	2	-14	Cullompton	5·5	- 0·3	34	0	40	70·4	—	—	—
t Portland Bill	19	80	19th	57	23rd	71·0	60·9	65·6	+5·2	0	0·00	0	-11	Weymouth	—	—	—	—	—	—	—	—	—
p Plymouth	116	85	19th	55	21, 22	75·9	61·3	68·1	+7·0	2	0·10	3	-14	Plymouth	6·7	+0·3	42	0	48	70·7	+6·9	62·4	—
a Falmouth	167	83	18th	51	21st	75·1	60·1	67·1	+6·6	2	0·13	3	-14	Falmouth	7·7	+0·8	49	0	44	69·1	—	65·3	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head	—	—	—	—	—	—	—	—	—
a, West *t* Blacksod Point	10	74	17th	—	—	67·1	56·9	61·6	+4·0	4	0·43	11	- 9										
a Mallarany	120	79	17th	52	21st	68·9	57·0	62·5	—	5	1·93	49	—	Mallarany	3·3	—	20	0	44	—	—	—	—
p Markree Castle	122	78	19th	50	21st	69·4	55·0	61·7	+4·7	5	0·96	24	+2	Markree Castle	3·3	- 0·8	20	0	45	65·2	+4·6	58·7	+2·7
b, East *p* Armagh	204	81	18th	48	23rd	71·7	56·0	63·3	+5·5	5	1·40	36	+18	Armagh	4·1	+0·3	25	0	48	64·6	+3·4	59·1	+2·2
t Donaghadee	35	78	19th	53	23rd	68·9	56·1	62·1	+4·8	4	0·83	21	+3										
10. IRELAND, S.																							
p Dublin City	54	78	19th	54	21st	73·0	58·9	65·5	+5·1	3	0·48	12	- 1	Trinity Coll.	—	—	—	0	40	66·6	+5·7	61·3	+3·9
t Birr Castle	175	81	18th	46	21st	72·9	57·9	64·9	+6·1	6	0·59	15	0	Phœnix Park	5·4	+0·3	33	0	42	—	—	—	—
a Kilkenny	195	82	18th	47	21st	76·3	58·4	66·7	+7·4	4	0·16	4	-11	Dublin City	—	—	—	0	50	—	—	—	—
a Waterford	137	82	18, 19	54	22nd	77·3	59·7	67·9	+7·9	1	0·01	0·2	-16	Birr Castle	3·6	- 0·8	22	0	38	—	—	—	—
p Seskin, Carrick-on-Suir	542	82	18, 19	49	21st	75·6	56·9	65·6	—	2	0·03	1	—	Seskin	7·2	—	44	0	42	—	—	—	—
a Foynes	50	79	18th	55	21st	72·6	60·4	66·1	+6·9	4	0·51	13	- 3										
t Cahirciveen (Val. Obs.)	30	74	17th	54	21st	70·1	59·7	64·5	+5·4	3	0·22	6	-14	Cahirciveen	4·0	- 0·8	25	0	51	—	—	—	—
a Killarney	174	82	18th	55	21st	74·9	59·7	66·8	+7·4	2	0·27	7	-10	Ballinacurra	8·4	+3·1	52	—	—	—	—	—	—
t Roche's Point	32	79	18, 19	55	21st	72·9	61·4	66·8	+7·5	3	0·07	2	-13										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's	131	75	19th	59	21st	71·6	60·9	65·9	+5·3	1	0·03	1	-12	Scilly	6·7	+0·1	43	—	—	—	—	—	—
t Jersey, St. Aubins	25	81	19th	50	22nd	74·1	61·1	67·2	+4·9	2	0·16	4	- 8	St. Heliers	9·5	+2·0	60	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	78	19th	57	22nd	73·7	60·1	66·4	+4·5	2	0·07	2	-11	Guernsey†	8·5	+0·8	54	0	36	70·4	+7·0	66·1	+5·8

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, July 23rd, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
Deerness (Cup Anr.)**	188	16	5	—	0	20 to 22	23	72	58	15	0	250	14	22	18	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	87	81	0	0	330	5	20	13	14	22	11	50
Aberdeen (Cup Anr.)	120	72	12	—	0	—	0	26	108	34	—	310	10	20	13	—	—	—	—
Edinburgh	485	39	31	—	0	22	3	74	31	60	0	200	12	22	16 / 2	21	22	2	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	22	8	41	58	61	0	240	14	22	6	20	22	10	25
Paisley	188	81	15	—	0	22	1	63	81	23	0	250	11	22	8	20	20	10	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	11	69	88	0	230	7	22	4	14	22	12	10
South Shields	72	61	12	—	0	—	0	36	71	61	0	280	10	22	10	17	22	9	45
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	71	77	20	0	270	10	23	23	16	23	22	35
Shoeburyness	103	90	‡	—	0	—	0	2	33	133	0	230	6	23	18	10	23	18	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	43	72	53	0	250	10	23	11	17	23	8	20
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	34	47	15	72	—	11	23	9	17	23	10	20
Larkhill, S'y Plain	513	63	43	—	0	23	2	78	74	6	8	250	11	23	15	14	23	15	30
Richmond (Kew Obs.)	82	65	22	—	0	—	0	36	75	57	0	220	9	23	18	16	23	17	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.)	109	44	—	—	0	20, 22, 23	18	74	58	18	0	310	15	20	17	—	—	—	—
Southport	80	62	48	—	0	20, 22, 23	41	56	50	21	0	240	16	23	2	22	23	1	50
Holyhead	60	40	‡	—	0	22	4	72	74	15	3	200	11	22	10	17	22	10	45
																	23	15	25
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	—	0	22, 23	36	84	41	7	0	240	15	23	16	19	23	16	15
Plymouth	185	88	2	—	0	—	0	47	96	25	0	—	10	23	18	14	23	17	25
Lyme Regis	556	61	‡	—	0	—	0	38	105	25	0	—	9	23	8	13	22	16	15
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	—	0	22, 23	11	72	64	21	0	230	14	22	4	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	22, 23	8	84	40	21	15	—	12	22	21	17	22	15	25
Cahirciveen (Val. Obs.)	98	41	‡‡‡‡	—	0	—	0	68	71	29	0	230	10	22	20	16	23	0	50
Weaver Pt.	160	30	‡‡‡‡	—	0	22, 23	3	90	73	2	0	—	12	23	13	21	23	16	15
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-NINTH WEEK of 1921—July 17th to July 23rd, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	81	45	90·6	84·3	87·2	+ 1·4	109	+18	0	0	5	0	1·22	31	+ 8	3·8	− 0·2	22	1012
Eastern.																			
1. SCOTLAND, EAST ..	82	45	93·2	84·9	88·8	+ 2·1	129	+25	0	0	4	0	0·29	7	− 11	5·1	+ 0·1	30	1013
2. ENGLAND, N.E. ..	85	46	96·1	86·4	90·9	+ 3·0	155	+38	0	0	2	− 1	0·27	7	− 8	6·2	+ 0·6	38	1016
3. ENGLAND, EAST ..	88	50	99·2	87·5	92·9	+ 3·8	181	+49	0	0	1	− 2	0·02	1	− 14	7·8	+ 1·3	49	1017
4. MIDLAND COUNTIES	88	44	99·3	87·0	92·7	+ 4·0	179	+52	0	0	1	− 2	0·11	3	− 9	6·5	+ 0·9	40	1017
5. ENGLAND, S.E. ..	90	45	99·3	87·9	93·2	+ 3·8	185	+48	0	0	1	− 2	0·04	1	− 12	8·2	+ 1·5	52	1018
Western																			
6. SCOTLAND, WEST ..	82	47	92·9	85·7	89·1	+ 2·0	132	+23	0	0	4	0	0·90	23	+ 3	—	—	—	1015
7. ENGLAND, N.W. ..	86	48	94·9	87·6	91·0	+ 3·0	157	+38	0	0	3	− 1	0·58	15	− 2	5·1	− 0·5	31	1017
8. ENGLAND, S.W. ..	89	39	97·2	87·8	92·2	+ 3·6	172	+45	0	0	2	− 2	0·19	5	− 13	6·4	+ 0·3	40	1019
9. IRELAND NORTH ..	81	46	94·1	86·6	90·1	+ 3·0	145	+37	0	0	5	0	0·84	21	+ 1	3·7	− 0·7	22	1017
10. IRELAND, SOUTH ..	82	46	96·2	88·3	92·0	+ 3·8	169	+47	0	0	3	− 1	0·29	7	− 9	5·4	+ 0·5	33	1019
11. ENGLISH CHANNEL..	81	50	95·8	88·9	92·2	+ 2·9	172	+36	0	0	2	− 2	0·09	2	− 11	8·2	+ 0·9	52	1020
MEAN: DISTRICTS 1-10	90	39	96·2	87·0	91·3	+ 3·2	160	+40	0	0	3	− 1	0·35	9	− 7	6·0	+ 0·4	37	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, May 29th to July 23rd, 1921.

0. SCOTLAND, NORTH ..	81	35	88·9	81·8	85·1	+ 0·4	658	+29	0	− 2	27	− 5	3·60	91	− 47	4·4	− 0·6	25	1018
Eastern																			
1. SCOTLAND, EAST ..	84	29	91·2	81·8	86·1	+ 0·5	762	+54	0	− 1	21	− 7	1·86	47	− 67	6·5	+ 0·7	38	1019
2. ENGLAND, N.E. ..	92	33	92·6	83·2	87·5	+ 1·0	906	+106	0	0	16	− 8	1·33	35	− 64	7·2	+ 1·0	43	1020
3. ENGLAND, EAST ..	91	33	93·9	83·5	88·3	+ 0·7	982	+74	0	0	10	−14	0·70	18	− 78	7·8	+ 0·9	47	1020
4. MIDLAND COUNTIES	93	34	95·6	83·2	88·9	+ 1·6	1046	+161	0	0	11	−13	0·91	24	− 76	8·0	+ 1·8	48	1020
5. ENGLAND, S.E. ..	91	32	94·9	84.0	89·0	+ 1·1	1059	+115	0	0	6	−17	0·54	13	− 77	8·5	+ 1·3	52	1020
Western.																			
6. SCOTLAND, WEST ..	82	37	91·8	82·7	86·9	+ 0·7	843	+73	0	0	20	−10	3·56	89	− 55	—	—	—	1020
7. ENGLAND, N.W. ..	89	35	92·7	83·8	88·0	+ 1·2	949	+116	0	0	16	−10	1·58	41	− 77	7·9	+ 1·5	47	1020
8. ENGLAND, S.W. ..	89	35	94·4	84·4	89·0	+ 1·7	1057	+178	0	0	11	−15	1·25	33	− 82	8·7	+ 2·0	53	1021
9. IRELAND, NORTH ..	86	35	92·3	83·6	87·7	+ 1·5	921	+154	0	0	19	−14	2·14	53	− 78	6·3	+ 1·0	37	1020
10. IRELAND, SOUTH ..	90	33	94·2	84·6	89·0	+ 2·0	1057	+199	0	0	14	−14	1·89	49	− 76	8·0	+ 2·2	48	1021
11. ENGLISH CHANNEL..	87	45	93·6	86·2	89·6	+ 1·7	1117	+174	0	0	12	−13	1·13	29	− 62	9·5	+ 1·6	59	1021
MEAN: DISTRICTS 1-10..	93	29	93·4	83·5	88·0	+ 1·2	958	+123	0	0	14	−12	1·58	40	− 73	7·7	+ 1·4	46	1020

THE YEAR. Aggregates, &c., for the Period of 29 Weeks, January 2nd to July 23rd, 1921.

0. SCOTLAND, NORTH ..	81	16	84·2	77·5	80·7	+ 0·9	1174	+163	348	−191	124	− 8	27·45	699	+46	3·7	+ 0·1	27	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·2	77·0	80·9	+ 0·9	1321	+166	451	−166	97	−16	11·72	295	− 99	4·8	+ 0·6	37	1015
2. ENGLAND N.E. ..	92	22	86·5	78·5	82·3	+ 1·5	1672	+377	250	−222	80	−21	7·21	186	−124	5·2	+ 0·7	38	1017
3. ENGLAND, EAST ..	91	23	87·3	78·7	82·9	+ 1·6	1879	+365	227	−267	66	−33	5·93	152	−150	5·6	+ 0·8	43	1019
4. MIDLAND COUNTIES	93	23	87·7	78·4	82·9	+ 1·7	1877	+360	253	−269	75	−23	7·11	182	−154	5·1	+ 0·8	39	1019
5. ENGLAND S.E. ..	91	21	87·8	79·6	83·4	+ 1·5	1936	+371	176	−209	70	−26	6·59	168	−161	5.7	+ 0·8	44	1019
Western																			
6 SCOTLAND, WEST ..	82	19	85·6	78·4	81·8	+ 0·9	1475	+191	240	−176	116	− 4	22·31	565	− 19	—	—	—	1016
7 ENGLAND, N.W. ..	89	20	86·2	79·2	82·6	+ 1·3	1686	+311	161	−221	92	−14	12·60	321	−102	5·2	+ 0·8	40	1018
8. ENGLAND, S.W. ..	89	22	87·3	79·6	83·3	+ 1·4	1912	+375	131	−170	83	−23	10·70	273	−195	5·7	+ 0·9	44	1019
9. IRELAND, NORTH ..	86	23	86·2	79·2	82·6	+ 1·3	1666	+323	148	−192	111	−19	13·94	352	−129	4·3	+ 0·3	32	1016
10. IRELAND, SOUTH ..	90	23	87·3	79·8	83·4	+ 1·3	1930	+347	117	−143	103	−12	13·72	350	−156	4·8	+ 0·4	37	1019
11. ENGLISH CHANNEL..	87	32	87·4	81·6	84·8	+ 1·7	2170	+401	27	− 78	85	−26	7·94	201	−183	6·3	+ 0·7	48	1020
MEAN: DISTRICTS 1-10 ..	93	8	86·7	78·8	82·6	+ 1·3	1740	+319	215	−204	89	−19	11·18	294	−119	5·2	+ 0·7	39	1018
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
29th July, 1921

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) } No. 30.

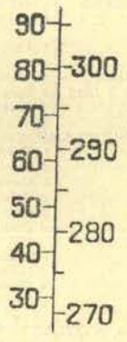
THIRTIETH WEEK.

SUNDAY, JULY 24TH, TO SATURDAY, JULY 30TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather underwent a great change during the week, and before the end rain fell in most districts, more especially in Scotland and Ireland. Thunderstorms occurred in many places and hail was reported at Ventnor and at Geldeston (Beccles). Strong south-west winds were experienced in the southern and western parts of England, and on the south coast gale force was reached during the night of the 28th. The highest of the maximum temperatures were recorded on the 25th or 28th in most districts; the absolute highest being 302 a at Yarmouth, Norwich, Richmond (Kew Observatory) and Wisley (Surrey). The night of the 25th to 26th was very warm, some of the minima in the southern parts of England being no lower than 291a. The lowest temperatures were registered on the 30th in Scotland, when the thermometer in the screen went down to 273 a at Balmoral and West Linton (Peebles), the grass temperature at the former station being as low as 269 a. Mean temperature for the week was below the normal in Scotland, and equal to it in Ireland N., but above the normal elsewhere. Rainfall was in excess of the normal in Scotland and Ireland, but over England generally there was again a shortage. Individual amounts of more than 30mm. in a day were recorded at a number of stations. At Dublin on the 27th there was as much as 38mm.; on the 28th Holyhead had 47mm., Douglas (Isle of Man) 46mm., Kilkenny 44mm., and Dumfries 43mm., and on the 29th 55mm. fell at Waterford. Bright sunshine varied a good deal in different parts of the country, the largest records were mostly on the 30th when between 12 and 13 hours were obtained at a number of stations. Brighton had 13·5 hours and Eastbourne 13·8 hours. The mean departure from the normal ranged from +2·1 hr. at Nottingham to —2·6 hr. at Phœnix Park (Dublin). Solar halos were observed at Hodsock Priory (Worksop) and Ross-on-Wye on the 24th, at Oxford on the 24th and 26th, and at Stonyhurst on the 24th and 27th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	15	3·9	18	4·5	17	4·8	18	3·4	20	5·7	—	—	17	5·0	18	5·2
North	7	3·7	6	3·2	8	3·1	3	1·4	7	4·5	—	—	8	5·8	8	6·3
West	15	7·1	13	5·5	18	5·5	20	2·9	20	3·9	—	—	16	4·8	18	3·9
East	9	3·5	8	2·3	6	2·8	5	3·5	7	4·1	—	—	8	3·5	8	3·4
Calm	2	—	4	—	2	—	3	—	0	—	—	—	0	—	1	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	D ficient	Deficient	Unusual	Very Unusual	Unusual	Unusual	Very Unusual	Unusual	Unusual	Moderate	Moderate	Unusual
Rainfall ..	Heavy	Very Heavy	Moderate	Light	Moderate	Light	Very Heavy	Moderate	Moderate	Very Heavy	Very Heavy	Moderate
Sunshine ..	Abundant	Scanty	Moderate	Moderate	Moderate	Moderate	—	Scanty	Moderate	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 9 weeks from May 29th, 1921. Warmth ..	3, 4, 2	3, 4, 2	6, 2, 1	4, 4, 1	7, 1, 1	5, 3, 1	4, 5, 0	5, 4, 0	7, 2, 0	5, 3, 1	6, 2, 1	8, 1, 0
Rainfall ..	2, 3, 4	1, 3, 5	0, 3, 6	0, 3, 6	0, 2, 7	0, 2, 7	2, 3, 4	0, 3, 6	0, 2, 7	1, 2, 6	1, 2, 6	0, 4, 5
Sunshine ..	4, 3, 2	4, 3, 2	3, 6, 0	3, 6, 0	6, 3, 0	5, 4, 0	—	5, 2, 2	6, 3, 0	4, 4, 1	6, 2, 1	4, 4, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	61	26th	45	30th	54·9	47·0	50·7	- 1·8	4	0·83	21	+ 9										
p Deerness, Orkney ..	165	61	26th	45	28th	56·9	47·6	51·9	- 1·5	6	1·20	31	+18	Deerness ..	4·4	+0·1	26	—	—	—	—	—	—
a, Islands *t* Stornoway	51	60	26th	40	25th	57·6	48·9	53·0	- 1·4	6	1·28	32	+16	Stornoway ..	4·7	+0·1	28	—	—	—	—	—	—
t Castlebay, Barra I. ..	37													Castlebay ..	—	—	—	—	—	—	—	—	—
t Wick	81	63	26th	42	25th	57·1	48·0	52·2	- 2·0	7	0·99	25	+12										
a Strathpeffer	125	66	26th	41	30th	61·4	46·6	53·5	- 2·9	4	1·08	28	+16										
b, Main- *p* Glencarron	500	65	25th	44	30th	59·1	47·3	52·8	- 1·6	6	1·43	36	+ 8										
land. *a* Fort Augustus	68	67	25th	42	24, 30	61·1	47·4	53·8	- 2·4	6	1·49	38	+23										
p Fort William	171	68	25th	43	30th	61·1	49·0	54·6	- 2·1	6	2·99	76	+51										
1. SCOTLAND, E.																							
t Nairn	82	71	25th	41	30th	62·7	47·9	54·8	- 1·0	6	1·06	27	+13	Nairn ..	5·2	—	31	—	—	—	—	—	—
p Gordon Castle ..	101	70	25th	40	30th	62·4	47·7	54·5	- 1·4	6	1·81	46	+28	Gordon Castle	4·8	—	29	—	—	—	—	—	—
t Aberdeen	46	70	25th	42	30th	62·6	49·9	55·8	0·0	6	1·19	30	+15	Aberdeen ..	4·9	+0·3	30	0	33	—	—	55·6	+2·1
a Balmoral	930	66	25th	33	30th	58·3	45·4	51·4	- 2·2	5	1·67	42	+26	Balmoral ..	—	—	—	1	25	—	—	—	—
p Crieff	432	69	25th	40	30th	61·4	47·6	54·0	- 3·1	6	2·65	67	+48	Crathes ..	4·0	- 0·3	24	0	33	55·7	- 2·6	53·6	- 1·2
a Dundee	244	69	25th	38	30th	62·1	47·3	54·2	- 3·0	6	1·54	39	+22	Dundee ..	3·3	—	20	0	32	58·0	—	—	—
t Inchkeith (F. of Forth)	190	67	25th	48	30th	59·9	52·4	55·9	—	6	1·50	38	—	Inchkeith (F. of Forth)	—	—	—	0	41	—	—	—	—
p Edinburgh	441	67	25th	47	24th	61·0	50·0	55·1	- 1·0	6	1·72	44	+29	Edinburgh ..	4·1	- 0·6	25	0	39	—	—	—	—
a West Linton	769	67	25th	32	30th	61·6	45·6	53·0	- 0·8	7	2·05	52	—	West Linton	—	—	—	1	30	—	—	—	—
a Marchmont	498	—	—	39	26th	—	45·1	—	—	6	1·90	48	+31	Marchmont ..	2·9	- 1·7	18	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	68	25th	45	30th	62·6	49·5	55·6	—	7	2·50	64	—	Ford (Argyll)	—	—	—	0	41	60·6	—	57·4	—
t Renfrew	49	69	25th	45	30th	61·7	50·3	56·6	—	7	2·31 ?	59 ?	—	Renfrew ..	3·5	—	22	0	33	—	—	—	—
p Rothesay	200	65	25th	48	24th	59·9	49·9	54·6	- 2·6	7	2·98	76	+53	Rothesay ..	3.2	—	19	0	44	58·6	—	57·0	+1·6
a Kilmarnock	90	71	25th	48	24, 30	63·1	51·1	56·7	+0·2	6	2·02	51	+32	Kilmarnock ..	2·5	—	15	—	—	58·9	—	56·7	—
a Colmonell	170	68	25th	47	30th	64·0	51·4	57·3	+1·2	5	2·68	68	+50	Colmonell ..	—	—	—	0	44	—	—	—	—
p Dumfries	160	66	25, 26	46	30th	62·4	50·1	55·8	- 2·5	7	3·03	77	+59	Dumfries ..	2·5	—	15	0	41	59·2	- 1·6	57·9	- 1·0
t Eskdalemuir	794	62	25, 26	40	30th	59·3	46·3	52·4	—	7	2·56	65	—	Eskdalemuir	1·6	—	10	0	36	—	—	—	—
b, I. OF MAN *h* Douglas	284	65	28th	49	24th	62·6	52·6	57·3	+0·2	5	2·94	75	+57	Douglas ..	2·7	- 3·2	17	0	47	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	76	25th	40	30th	65·4	50·3	57·3	+0·2	6	1·80	46	+26	Cockle Park ..	3·9	- 1·0	24	2	27	57·5	- 0·4	57·1	+1·8
t Tynemouth	118	74	25th	47	24, 30	65·0	52·9	58·5	+1·3	6	0·78	20	+ 2										
p Durham	336	73	25th	40	30th	65·0	49·3	56·6	- 1·3	6	0·84	21	+ 2	Durham ..	3·8	- 0·9	23	0	31	—	—	—	—
a North .. *p* Rounton	249	79	25th	42	30th	68·4	50·6	58·9	+1·6	6	0·66	17	- 4	Rounton ..	—	—	—	0	37	61·4	—	—	—
a West Witton	605	74	25th	44	24th	65·0	51·9	58·0	—	6	1·82	46	—	West Witton	—	—	—	0	39	60·5	—	56·6	—
h Scarborough	118	82	25th	49	30th	69·6	54·0	61·3	+2·6	5	0·45	11	- 7	Scarborough †	5·9	+0·9	37	—	—	—	—	61·7	—
p York	56	83	25th	49	24th	71·1	54·3	62·1	+2·4	6	0·41	10	- 8	York ..	5·0	+0·2	31	—	—	62·3	+2·7	59·0	+2·3
t Spurn Head	26	83	25th	53	24, 25	71·9	55·1	62·9	+3·6	3	0·22	6	- 8										
b, South .. *a* Lincoln	58	84	25th	50	27th	76·3	55·6	65·2	+4·9	3	0·16	4	- 13	Lincoln ..	—	—	—	0	45	65·0	+4·1	60·8	+3·7
t Cranwell	237	84	25th	47	30th	74·4	53·1	63·0	+2·9	2	0·06	2	- 16	Cranwell ..	7·3	+1·5	46	0	41	—	—	—	—
														Skegness ..	7·4	+1·3	46	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	84	25th	53	30th	74·1	56·4	64·6	+4·8	3	0·02	1	- 15	Cromer ..	7·2	+1·4	46	—	—	—	—	—	—
a Little Massingham ..	277	83	25th	52	27, 30	75·9	56·4	65·5	+5·4	1	0·07	2	- 17	Lit Massingham	6·1	+0·6	39	—	—	—	—	—	—
t Yarmouth	13	85	25th	55	24th	73·3	58·7	65·5	+5·3	2	0·25	6	- 10	Yarmouth ..	7·6	—	48	0	51	68·1	+4·2	62·7	+2·0
a Norwich	93	85	25th	51	27th	77·9	57·1	66·8	+6·1	2	0·22	6	- 11	Norwich ..	7·5	—	47	0	48	68·5	—	—	—
a Geldeston	37	84	25th	51	27th	76·3	56·3	65·6	+5·3	2	0·30	8	- 7	Geldeston ..	7·5	+1·5	47	—	—	—	—	—	—
p Cambridge	41	83	25, 28	47	27th	79·3	55·9	66·8	+5·7	1	0·07	2	- 13	Cambridge ..	7·0	+1·2	44	0	39	69·6	+6·7	63·0	+3·5
t Clacton-on-Sea	54	78	25th	55	27, 30	72·3	59·9	65·7	+4·8	2	0·26	7	- 6	Clacton-on-Sea	6·6	+0·2	42	0	51	67·6	+6·4	62·9	+3·3
a Rothamsted	420	78	25th	48	30th	73·3	55·1	63·6	+3·6	3	0·13	3	- 13	Rothamsted	6·0	+0·1	38	0	40	65·7	—	—	—
p Tottenham	51	83	28th	55	30th	77·1	60·0	68·0	—	1	0·09	2	—	Tottenham ..	6·8	—	43	0	53	—	—	68·7	+7·9
														Southend ..	7·6	—	48	—	—	—	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	78	25th	46	24th	68·0	52·3	59·6	+1·6	5	0·52	13	- 8	Harrogate ..	4·9	- 0·3	30	0	41	60·0	+2·5	58·7	+2·9
a North .. *p* Sheffield	429	81	25th	50	27th	72·3	53·7	62·4	—	4	0·28	7	—	Sheffield ..	6·6	+1·6	41	0	40	62·7	+3·6	58·7	+3·8
h Buxton	987	76	25th	45	30th	68·9	51·1	59·4	+2·6	4	0·94	24	- 8	Buxton ..	5·3	—	33	0	39	64·1	+5·8	60·8	+6·3
a Worksop	56	84	25th	48	27th	76·0	53·7	64·1	+4·3	3	0·25	6	- 12	Worksop ..	6·0	+1·4	37	0	39	65·4	—	60·7	—
t Nottingham	82	82	25th	49	27th	75·1	55·4	64·6	+4·4	4	0·66	17	- 2	Nottingham ..	7·2	+2·1	46	0	42	66·6	+5·7	62·6	+4·6
b, East .. *p* Birmingham, Edgbsn. ..	525	79	28th	50	30th	71·3	55·0	62·6	+2·6	3	0·60	15	- 4	Birmingham	5·5	+1·1	34	0	39	62·4	+6·1	56·6	+3·7
a Raunds	203	83	25th	48	27th	76·3	55·1	65·0	+3·9	3	0·14	4	- 16	Raunds ..	6·5	—	41	0	44	69·4	—	—	—
p Oxford	208	82	28th	50	30th	74·9	57·4	65·5	+4·2	3	0·05	1	- 17	Oxford ..	6·7	+1·0	42	0	42	—	—	—	—
														Malvern ..	6·1	—	39	0	44	68·0	—	65·2	—
a Cheadle (N. Staffs.) ..	646	80	25th	48	27, 30	71·7	52·9	61·7	+3·4	4	0·59	15	- 9	Cheadle	—	—	—	0	45	—	—	—	—
c, West .. *p* Tenbury	313	79	28th	44	30th	72·0	5 3·0	61·8	+2·3	2	0·45	11	- 7	Tenbury ..	—	—	—	0	42	64·7	—	—	—
a Hereford	291													Ross on Wye	5·3	—	33	0	38	67·8	—	63·3	—
a Clifton	225	76	252829	53	30th	72·9	57·3	64·6	+2·4	5	1·23	31	+ 7	Clifton ..	6·0	—	38	0	51	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	79	28th	53	27th	72·4	57·0	64·2	+5·2	3	0·32	8	- 9	Worthing ..	7·3	+0·4	47	0	47	67·7	+3·6	62·8	+2·8
a Porton	340	82	27th	43	30th	75·0	53·8	63·7	—	3	0·26	7	—	Marlborough	4·7	- 0·9	30	0	48	65·9	—	60·0	—
a Wisley, Surrey ..	150	85	28th	49	30th	77·7	55·9	66·0	+4.9	2	0·07	2	- 11	Porton	—	—	—	0	35	67·3	—	—	—
h Tunbridge Wells ..	354	83	28th	54	27, 28	75·4	56·6	65·4	+4·5	1	0·59	15	0	Wisley, Surrey	6·2	0·0	40	0	36	68·8	+6·1	62·0	+2·7
h Margate	51	80	25th	58	25, 30	73·1	60·3	66·3	+4·3	1	0·06	2	- 11	Tunbridge Wells	6·7	+0·3	43	0	41	66·4	+2·6	62·1	—
														Margate ..	7·3	+1·3	46	0	54	72·7	+10·5	68·1	+9·1
t Dungeness	21	74	28th	53	30th	70·0	59·6	64·4	+3·4	2	0·12	3	- 10	Folkestone ..	8·2	—	53	0	34	—	—	62·0	—
h St. Leonards	178	80	28th	54	30th	72·6	59·4	65·5	+4·2	2	0·17	4	- 11	St. Leonards ..	7·3	+0·4	47	0	49	69·7	—	63·2	—
p Southampton	64	79	28th	49	30th	74·1	56·6	64·7	+2·1	3	0·04	1	- 15	Southampton	6·1	- 0·4	39	0	40	—	—	—	—
a Ventnor	59	72	252728	57	30th	71·7	60·6	65·8	+3·9	3	0·14	4	- 10	Ventnor ..	6·0	- 0·6	39	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	85	28th	52	30th	77·7	59·3	67·9	+5·9	2	0·04	1	- 14	Richmond	6·2	+0·2	39	0	46	69·1	+6·9	61·5	+3·4
a Westminster	27	83	28th	53	30th	77·1	60·1	68·0	+5·3	3	0·11	3	- 12	Westminster	6·3	+0·9	40	0	46	—	—	—	—
ag Greenwich	149	85	28th	51	30th	79·6	57·6	67·8	+5.0	2	0·07	2	- 13	Greenwich ..	7·3	+1·3	47	0	37	—	—	—	—
a Hampstead	450	80	28th	52	30th	75·1	57·1	65·5	—	3	0·14	4	—	Hampstead ..	6·4	—	41	0	44	—	—	—	—
ag Camden Square ..	110	87	28th	52	30th	79·7	59·3	68·8	+5·3	3	0·13	3	- 13	Camden Square	—	—	—	0	51	70·4	—	64·0	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate) ..	487	66	25th	46	30th	62·7	50·3	56·1	- 1·7	6	0·88	22	- 3	Aspatria	3·5	- 1·6	21	0	44	58·5	- 1·5	57·3	+2·1
p Newton Rigg	559													Newton Rigg									
p Stonyhurst	375	75	25th	51	24th	68·0	54·7	60·9	+2·7	6	1·80	46	+17	Stonyhurst ..	4·3	- 0·7	27	0	48	—	—	—	—
h Blackpool	66	73	25th	50	30th	68·7	55·6	61·7	+2·7	6	0·48	12	- 9	Blackpool ..	4·5	- 1·5	28	0	44	62·6	—	58·0	—
h Southpo.t	37	75	25th	50	30th	69·1	55·9	62·0	+2·9	5	0·46	12	- 9	Southport ..	5·5	- 0·4	34	0	46	65·6	+2·2	63·1	+2·5
														Hoylake ..	4·6	- 1·0	29	—	—	—	—	—	—
t Liverpool (Bidston) ..	188	76	25th	52	30th	69·9	55·1	62·0	+2·3	6	0·41	11	- 8	Liverpool	4·7	—	29	0	46	—	—	—	—
a Hawarden Bridge ..	22	78	25th	49	30th	72·1	54·4	62·6	+2·2	5	0·39	10	- 6	Manchester City	5·5	+1·4	34	0	50	66·6	+5·6	65·1	+6·5
p Manchester (Whit. Pk.)	125	79	25th	50	27th	72·0	55·4	63·1	+2·8	6	0·51	13	- 9	,, Whit. Pk.	5·3	+1·0	33	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	76	28th	52	30th	67·4	55·3	60·9	+1·0	6	0·70	18	+ 1	Llandudno ..	4·0	- 1·7	25	—	—	—	—	—	—
t Holyhead	15	72	28th	53	24th	65·0	54·7	59·5	+1·0	5	2·37	60	+41	Holyhead ..	3·4	—	21	0	48	—	—	—	—
a Aberdovey	60	76	28th	54	24th	68·1	57·0	62·2	—	5	1·07	27	—	Aberdovey ..	3·4	- 2·1	22	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	79	28th	52	27,30	68·6	56·0	61·9	—	5	1·06	27	—	Aberystwyth	3·6	− 1·8	22	—	—	—	—	—	—
a Rhayader	757	75	28th	42	30th	67·0	50·9	58·4	—	4	0·57	15	—	Rhayader ..	4·4	—	28	0	35	—	—	—	—
t Pembroke	149	72	28th	53	24th	64·6	56·6	60·3	+1·6	4	1·29	33	+14	Pembroke ..	3·8	− 2·2	24	—	—	—	—	—	—
p Cardiff	202	78	28th	50	30th	70·7	55·9	62·8	+2·6	5	0·51	13	-11	Cardiff ..	5·3	—	34	0	41	65·9	+4·8	62·0	+3·4
b, ENGLAND, S.W.																							
h Bath	66	79	25th	49	30th	72·7	57·0	64·3	+3·4	5	0·36	9	-9	Bath	5·2	− 0·8	33	—	—	68·4	+4·4	64·3	+3·8
a Shaftesbury	722	73	28th	49	30th	69·6	54·6	61·6	+1·9	2	0·11	3	-16	Shaftesbury ..	—	—	—	—	—	65·9	—	62·3	—
a Arlington	613	73	28th	49	30th	68·1	54·0	60·6	+2·1	5	1·54	39	+9										
h Newquay	190	72	25th	52	30th	68·5	58·0	62·9	+2·8	5	1·10	28	+11	Newquay ..	6·0	− 0·1	39	—	—	66·3	—	61·4	—
a Cullompton	202	79	24th	43	30th	72·6	55·1	63·2	+2·8	4	0·44	11	-9	Cullompton ..	4·2	− 1·3	27	0	36	68·1	—	—	—
t Portland Bill	19	67	28, 29	58	25, 27	65·6	59·1	62·1	+1·7	2	0·03	1	-12	Weymouth ..	5.5	—	35	—	—	—	—	—	—
p Plymouth	116	71	28th	52	30th	68·6	58·1	63·0	+2·1	6	0·73	19	-1	Plymouth ..	6·1	0·0	39	0	49	66·5	+2·4	62·8	—
a Falmouth	167	74	25th	52	30th	68·0	58·0	62·7	+2·4	6	1·78	45	+24	Falmouth ..	5·9	− 0·6	38	0	48	66·2	—	65·3	—
9. IRELAND, N.																							
t Malin Head	208	67	25th	49	30th	60·0	52·9	56·2	-0·2	6	0·88	22	+4	Malin Head ..	5·3	—	32	—	—	—	—	—	—
t Blacksod Point ..	10	66	30th	52	24,26,27	62·3	53·3	57·5	+0·1	3	1·17	30	+8										
a, West .. *a* Mallarany	120	68	24th	51	29th	64·1	53·1	58·2	—	5	1·55	39	—	Mallarany ..	5·3	—	33	0	45	—	—	—	—
p Markree Castle.. ..	122	69	25, 30	42	27th	64·4	49·4	56·4	-0·3	7	2·46	62	+40	Markree Castle	4·7	+0·6	29	0	38	62.1	+1·7	59·0	+2·6
p Armagh..	204	72	25th	47	24th	64·4	51·1	57·3	-0·1	6	1·83	47	+28	Armagh ..	3·2	− 1·2	20	0	41	60·6	−0·6	58·8	+1·4
b, East .. *t* Donaghadee	35	69	25th	46	24th	62·9	51·3	56·7	-0·4	5	2·23	57	+39										
10. IRELAND, S.																							
p Dublin City	54	70	25th	50	24th	65·3	54·1	59·3	-0·7	5	2·90	74	+55	Trinity Coll.	—	—	—	0	37	62·5	+1·7	61·1	+3·4
t Birr Castle	175	68	25, 30	46	24th	64·7	51·7	57·8	-0·5	7	3·03	77	+55	Phœnix Park	2·6	− 2·6	16	0	41	—	—	—	—
a Kilkenny	195	73	25th	45	24th	68·1	52·0	59·5	+0·7	6	2·78	71	+50	Dublin City ..	—	—	—	0	46	—	—	—	—
a Waterford	137	69	24, 29	47	24th	67·0	54·4	60 3	+0·7	5	3·78	96	+73	Birr Castle ..	3·0	− 1·5	19	0	40	—	—	—	—
p Seskin, Carrick-on-Suir	542	67	24, 25, 27,29	47	24th	65·3	52·1	58·2	—	6	2·59	66	—										
a Foynes	50	68	24, 25	51	24th	64·0	53·6	58·4	-0·4	7	2·57	65	+42	Seskin ..	4·5	—	28	0	—	—	—	—	—
t Cahirciveen (Val. Obs.)	30	67	25, 30	51	27th	63·6	54·6	58·8	0·0	6	2·57	65	+37	Cahirciveen ..	3·4	− 1·5	22	0	46	—	—	—	—
a Killarney	174	70	25th	51	24th	66·9	55·5	60·8	+1·7	6	2·47	63	+38	Ballinacurra	4·0	− 1·2	25	—	—	—	—	—	—
t Roche's Point	32	66	29th	50	24th	64·3	55·1	59·4	+0·4	6	2·11	54	+32										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	71	25, 27	57	262729	68·9	59·1	63·7	+3·2	6	0·61	15	0	Scilly ..	5·9	− 0·5	38	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	76	28th	50	30th	72·3	59·6	65·5	+3·2	1	0·28	7	- 7	St. Heliers ..	6·7	− 0·4	43	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	76	28th	55	30th	71·7	60·0	65·4	+3·5	4	0·44	11	- 3	Guernsey† ..	6·5	− 0·8	42	0	34	70·5	+6·9	66·0	+5·2

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 30th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	23 to 25	19	91	41	17	0	260	14	24	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	120	47	0	220	6	26	10	14	26	15	45
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	55	94	19	0	220	9	26	14	—	—	—	—
Edinburgh	485	39	31	—	0	26	7	68	67	26	0	240	13	26	14	22	26	14	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	25, 26, 30	18	67	58	25	0	230	14	26	10	23	26	14	5
Paisley	188	81	15	—	0	—	0	62	82	24	0	170	10	30	15	20	26	8	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	20	81	67	0	330	9	29	14	18	29	14	20
South Shields	72	61	12	—	0	—	0	59	85	24	0	260	11	26	13	19	26	15	40
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	28 to 30	10	98	44	16	0	230	16	29	8	22	29	7	30
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	25	1	56	92	19	0	220	11	25	17	17	28	21	40
																29	1	00	
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	29	3	49	91	16	9	—	11	29	14	19	29	12	30
Larkhill, S'y Plain ..	513	63	43	—	0	25, 28, 29	19	45	69	6	29	240	14	29	16	18	29	13	5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	42	95	31	0	190	8	28	21	17	28	17	5
												160		29	3				
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	24	3	112	51	2	0	280	13	24	6	—	—	—	—
Southport	80	62	48	—	0	24 to 26, 28, 29	35	72	60	1	0	240	14	26	11	20	25	14	15
Holyhead	60	40	‡	—	0	25, 26, 28 to 30	27	89	52	0	0	310	15	29	7	20	25	11	25
																	29	6	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	25, 28, 29	11	24, 25, 28 to 30	66	62	22	7	0	160	19	28	15	29	29	3	55
Plymouth	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	0	29	3	51	81	33	0	—	12	29	7	18	29	7	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	24, 26, 28 to 30	30	66	57	1	14	10	16	28	22	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	25, 26, 28, 29	38	84	38	8	0	—	15	25	14	21	25	15	10
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	25, 28 to 30	23	94	37	14	0	190	13	30	3	21	25	3	45
Weaver Pt.	160	30	‡‡‡‡	—	0	25, 28 to 30	25	97	41	5	0	—	16	28	24	22	29	2	35
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTIETH WEEK of 1921—July 24th to July 30th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	68	40	87·9	81·7	84·6	− 1·1	76	− 14	0	0	6	+2	1·44	37	+20	4·5	+ 0·5	27	1005
Eastern.																			
1. SCOTLAND, EAST ..	71	32	89·2	82·1	85·4	− 0·9	86	− 13	0	0	6	+2	1·73	44	+27	4·1	− 0·4	25	1006
2. ENGLAND, N.E. ..	84	40	93·9	84·6	88·9	+ 1·2	130	+15	0	0	5	+1	0·60	15	− 3	5·6	+ 0·4	35	1009
3. ENGLAND, EAST ..	85	55	97·2	87·1	91·8	+ 3·0	167	+37	0	0	2	− 2	0·16	4	− 11	6·9	+ 1·0	43	1011
4. MIDLAND COUNTIES	84	44	95·9	85·7	90·5	+ 2·1	151	+27	0	0	4	0	0·51	13	− 6	6·0	+ 0·8	38	1010
5. ENGLAND, S.E. ..	85	43	96·3	87·4	91·6	+ 2·3	164	+29	0	0	2	− 1	0·18	5	− 10	6·6	+ 0·2	42	1012
Western.																			
6. SCOTLAND, WEST ..	71	45	89·8	83·4	86·5	− 0·4	170	+64	0	0	6	+2	2·64	67	+47	—	—	—	1007
7. ENGLAND, N.W. ..	79	46	93·2	85·5	89·1	+ 1·2	132	+15	0	0	6	+2	0·94	24	+ 2	4·1	− 1·1	26	1008
8. ENGLAND, S.W. ..	79	42	93·4	86·4	89·6	+ 1·1	139	+14	0	0	4	0	0·74	19	− 2	4·9	− 0·8	31	1011
9. IRELAND NORTH ..	72	42	90·6	83·8	86·9	0·0	106	0	0	0	6	+1	2·14	55	+35	4·0	− 0·4	25	1006
10. IRELAND, SOUTH ..	73	45	91·6	85·2	88·2	+ 0·2	121	+ 2	0	0	6	+2	2·78	71	+48	3·2	− 1·7	20	1008
11. ENGLISH CHANNEL..	76	50	94·7	88·3	91·3	+ 2·0	160	+24	0	0	4	0	0·44	11	− 4	6·4	− 0·6	41	1012
MEAN: DISTRICTS 1-10	85	32	93·1	85·1	88·9	+ 1·0	137	+19	0	0	5	+1	1·24	32	+13	5·0	− 0·2	32	1009

THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, May 29th to July 30th, 1921.

0. SCOTLAND, NORTH ..	81	35	88·8	81·7	85·0	+ 0·2	734	+15	0	− 2	33	− 3	5·04	128	− 27	4·4	− 0·4	25	1017
Eastern																			
1. SCOTLAND, EAST ..	84	29	90·9	81·8	86·0	+ 0·4	848	+41	0	− 1	27	− 5	3·59	91	− 40	6·3	+ 0·7	36	1017
2. ENGLAND, N.E. ..	92	33	92·8	83·3	87·7	+ 1·0	1036	+121	0	0	21	− 7	1·93	50	− 67	7·0	+ 0·9	42	1019
3. ENGLAND, EAST ..	91	33	94·3	83·9	88·7	+ 1·0	1149	+111	0	0	12	−16	0·86	22	− 89	7·7	+ 0·9	47	1019
4. MIDLAND COUNTIES	93	34	95·7	83·5	89·1	+ 1·6	1197	+188	0	0	15	−13	1·42	37	− 82	7·7	+ 1·7	47	1019
5. ENGLAND, S.E. ..	91	32	95·0	84.4	89·3	+ 1·2	1223	+144	0	0	8	−18	0·72	18	− 87	8·2	+ 1·1	51	1019
Western.																			
6. SCOTLAND, WEST ..	82	37	91·6	82·8	86·9	+ 0·7	1013	+137	0	0	26	− 8	6·23	157	− 7	—	—	—	1018
7. ENGLAND, N.W. ..	89	35	92·7	84·0	88·1	+ 1·2	1081	+131	0	0	22	− 8	2·59	68	− 72	7·4	+ 1·2	44	1019
8. ENGLAND, S.W. ..	89	35	94·3	84·6	89·1	+ 1·7	1196	+192	0	0	15	−15	1·99	52	− 84	8·3	+ 1·7	51	1020
9. IRELAND, NORTH ..	86	35	92·1	83·7	87·6	+ 1·4	1023	+150	0	0	25	−13	4·28	108	− 43	6·1	+ 0·9	36	1019
10. IRELAND, SOUTH ..	90	33	93·9	84·6	88·9	+ 1·8	1178	+201	0	0	20	−12	4·67	120	− 28	7·3	+ 1·6	45	1020
11. ENGLISH CHANNEL..	87	45	93·7	86·4	89·8	+ 1·8	1277	+198	0	0	16	−13	1·57	40	− 66	9·1	+ 1·3	57	1020
MEAN: DISTRICTS 1-10..	93	29	93·3	83·7	88·1	+ 1·2	1094	+142	0	0	19	−11	2·83	72	− 60	7·3	+ 1·2	44	1019

THE YEAR. Aggregates, &c., for the Period of 30 Weeks, January 2nd to July 30th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·3	77·6	80·9	+ 0·9	1250	+149	348	−191	130	− 6	28·89	736	+66	3·7	+ 0·1	27	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·4	77·2	81·1	+ 0·9	1407	+153	451	−166	103	−14	13·45	339	− 72	4·8	+ 0·6	36	1015
2. ENGLAND, N.E. ..	92	22	86·7	78·7	82·5	+ 1·5	1802	+392	250	−222	85	−20	7·81	201	−127	5·0	+ 0·5	38	1017
3. ENGLAND, EAST ..	91	23	87·7	79·0	83·2	+ 1·6	2046	+402	227	−267	68	−35	6·09	156	−161	5·7	+ 0·9	43	1018
4. MIDLAND COUNTIES	93	23	88·0	78·7	83·1	+ 1·6	2028	+387	253	−269	79	−23	7·62	195	−160	5·1	+ 0·8	39	1018
5. ENGLAND, S.E. ..	91	21	88·1	79·9	83·6	+ 1·5	2150	+400	170	−209	72	−27	6·77	173	−171	5.7	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	85·7	78·6	82·0	+ 0·9	1645	+255	240	−176	122	− 2	24·98	633	+29	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	86·5	79·4	82·8	+ 1·3	1818	+326	161	−221	98	−12	13·61	348	− 97	5·1	+ 0·7	39	1018
8. ENGLAND, S.W. ..	89	22	87·5	79·9	83·5	+ 1·4	2051	+389	131	−170	87	−23	11·44	292	−197	5·7	+ 0·9	43	1019
9. IRELAND, NORTH ..	86	23	86·4	79·3	82·7	+ 1·2	1768	+319	148	−192	117	−18	16·08	407	− 94	4·3	+ 0·3	32	1016
10. IRELAND, SOUTH ..	90	23	87·5	80·0	83·6	+ 1·3	2051	+349	117	−143	109	−10	16·50	421	−108	4·8	+ 0·3	38	1019
11. ENGLISH CHANNEL..	87	32	87·6	81·9	85·0	+ 1·7	2330	+425	27	− 78	89	−26	8·38	212	−187	6·3	+ 0·6	48	1020
MEAN: DISTRICTS 1-10 ..	93	8	87·0	79·1	82·8	+ 1·3	1877	+337	215	−203	94	−18	12·44	317	−116	5·1	+ 0·6	39	1018
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn
5th August, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. *Vol. XXXVIII. (New Series)* | No. 31.

THIRTY-FIRST WEEK.

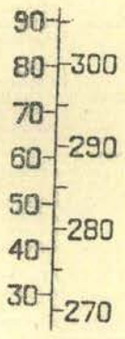
SUNDAY, JULY 31ST, TO SATURDAY, AUGUST 6TH, 1921.

Price [illegible] Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

METEOROLOGICAL OFFICE 17 AUG 1921 LIBRARY

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week the weather was influenced by depressions to the westward of the British Isles, and rain fell in most places. Thunderstorms occurred at a number of stations, including London, on the 2nd or 3rd, and hail was reported in places. The winds were mainly westerly or south-westerly in direction and moderate to strong in force. The highest of the maximum temperatures were recorded on the 1st in most districts, the absolute highest being 302a at Norwich and Cromer. During the early part of the week very warm nights were experienced in nearly all parts of the country; at many stations the minimum temperature did not descend below 291a, and on the morning of the 31st the minimum thermometer at Wisley (Surrey) registered 293a. The lowest of the minima were recorded on the morning of the 3rd, when 275a were registered at Balmoral, West Linton (Peebles) and Eskdalemuir, the temperature on the grass at the former station being as low as 271a. The mean temperature for the week was below the normal in Scotland W., but equal to or above the normal elsewhere. In most districts the rainfall for the week was in excess of the normal; several rather heavy falls were recorded, especially in the western and north-western parts of the country: individual falls of considerably more than 20mm. were registered at a number of stations, the largest measurements being 40mm. on the 1st and 43mm. on the 5th at Lancaster, while on the latter date Blackpool had 35mm. and Aberdovey 34mm., Buxton 31mm. and Holyhead and Roche's Point 30mm. Over the country generally the sunniest day was the 6th, when Tottenham had 13·4 hrs., Westminster, Marlborough and Wisley (Surrey) 12·8 hrs., Richmond (Kew Observatory) 12·7 hrs., Shoeburyness 12·6 hrs., Newquay 12·4 hrs. and at a number of other stations between 11 hrs. and 12 hrs. were recorded. The mean departure from the normal ranged from +1·4 hrs. at Aberdeen to −4·0 hrs. at Blackpool. Solar halos were observed at Oxford on the 3rd and 4th, at Ross-on-Wye and Tenbury on the 4th, and at Dublin on the 1st and 4th. On our south-east coast extraordinary visibility was reported during the early forenoon of the 6th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	21	4·5	25	2·9	10	3·3	27	3·6	25	5·7	—	—	22	3·0	23	3·9
North	4	2·3	0	0·0	9	2·8	0	0·0	1	1·7	—	—	0	0·0	4	2·6
West	17	3·1	22	4·2	26	6·0	26	3·1	24	4·9	—	—	22	5·6	23	5·4
East	9	3·5	2	1·6	0	0·0	0	0·0	0	0·0	—	—	3	2·4	2	1·8
Calm	1	—	3	—	2	—	1	—	1	—	—	—	0	—	1	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.										
		Extreme N.	EASTERN SECTION.				WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual
	Rainfall ..	Heavy	Moderate	Heavy	Moderate	Heavy	Moderate	Very Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Heavy
	Sunshine ..	Abundant	Abundant	Moderate	Moderate	Scanty	Moderate	—	Very Scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *10* weeks from May 29th, 1921.	Warmth ..	**3, 5, 2**	**3, 5, 2**	**7, 2, 1**	**5, 4, 1**	**8, 1, 1**	**6, 3, 1**	**4, 6, 0**	**5, 5, 0**	**8, 2, 0**	**5, 4, 1**	**6, 3, 1**	**9, 1, 0**
	Rainfall ..	**3, 3, 4**	**1, 4, 5**	**1, 3, 6**	**0, 4, 6**	**1, 2, 7**	**0, 3, 7**	**3, 3, 4**	**1, 3, 6**	**1, 2, 7**	**2, 2, 6**	**2, 2, 6**	**1, 4, 5**
	Sunshine ..	**5, 3, 2**	**5, 3, 2**	**3, 7, 0**	**3, 7, 0**	**6, 3, 1**	**5, 5, 0**	—	**5, 2, 3**	**6, 3, 1**	**4, 4, 2**	**6, 2, 2**	**4, 4, 2**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	59	31, 2	47	31st	57·6	49·7	53·4	+0·2	3	0·51	13	- 3										
p Deerness, Orkney	165	65	1st	47	6th	60·6	50·4	55·2	+1·2	6	0·92	23	+ 7	Deerness	5·2	+1·4	31	—	—	—	—	—	—
a, Islands *t* Stornoway	51	64	1st	46	4th	60·3	50·9	55·3	- 0·3	7	1·48	38	+17	Stornoway	5·3	+1·2	33	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	67	1st	45	3rd	62·7	50·4	56·2	+1·3	6	0·75	19	+ 3										
a Strathpeffer	125	71	1st	41	3rd	64·1	51·6	57·5	+0·6	4	0·37	9	- 6										
b, Main- *p* Glencarron	500	64	1st	47	2, 3	58·6	49·6	53·8	- 1·2	7	1·78	45	+ 8										
land. *a* Fort Augustus	68	69	1, 2	46	3rd	63·6	51·6	57·2	+0·4	7	1·16	29	+10										
p Fort William	171	71	1st	46	3rd	63·6	50·9	56·9	- 0·3	7	2·42	61	+28										
1. SCOTLAND, E.																							
t Nairn	82	74	1st	44	3rd	66·4	50·9	58·2	+1·2	4	0·48	12	- 1	Nairn	6·0	—	37	—	—	—	—	—	—
p Gordon Castle	101	74	1st	45	3rd	65·9	51·9	58·5	+1·4	5	0·56	14	- 2	Gordon Castle	6·1	—	37	—	—	—	—	—	—
t Aberdeen	46	73	1st	45	3rd	67·9	52·9	60·0	+3·1	5	0·43	11	- 3	Aberdeen	6·6	+1·4	41	0	34	—	—	55·2	+1·4
a Balmoral	930	71	1st	35	3rd	62·3	47·9	54·7	+0·2	5	0·49	12	- 3	Balmoral	—	—	—	1	29	—	—	—	—
p Crieff	432	70	1st	40	3rd	64·4	49·3	56·4	- 1·7	7	0·82	21	+ 2	Crathes	6·0	+1·2	37	0	32	56·0	- 2·6	53·1	- 1·9
a Dundee	244	69	31, 1	39	3rd	65·4	51·3	57·9	- 0·3	3	0·53	13	- 3	Dundee	5·5	—	34	0	33	58·4	—	—	—
t Inchkeith (F. of Forth)	190	67	1st	48	3rd	62·0	54·3	57·9	—	6	0·57	15	—	Inchkeith (F. of Forth)	—	—	—	0	42	—	—	—	—
p Edinburgh	441	70	31st	45	3rd	64·0	51·7	57·5	+0·2	6	0·50	13	- 1	Edinburgh	5·0	- 0·3	31	0	40	—	—	—	—
a West Linton	769	66	31st	35	3rd	61·0	47·7	54·0	- 0·8	7	1·28	33	—	West Linton	—	—	—	0	33	—	—	—	—
a Marchmont	498	—	—	41	3rd	—	51·3	—	—	6	1·10	28	+12	Marchmont	4·5	- 0·7	28	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	68	1st	50	6th	62·1	54·1	57·9	—	7	2·03	52	—	Ford (Argyll)	—	—	—	0	38	60·1	—	57·4	—
t Renfrew	49	68	1st	40	3rd	63·6	52·6	57·8	—	7	1·11	28	—	Renfrew	4·3	—	27	1	30	—	—	—	—
p Rothesay	200	67	1st	46	3rd	61·7	50·4	55·7	- 1·9	7	2·13	54	+30	Rothesay	4·1	—	26	0	39	58·6	—	56·1	+0·6
a Kilmarnock	90	70	31, 1	44	3rd	64·9	52·3	58·2	+1·4	6	1·47	37	+17	Kilmarnock	3·0	—	19	—	—	59·0	—	56·3	—
a Colmonell	170	69	1st	43	3rd	62·7	52·3	57·2	+0·6	6	1·34	34	+15	Colmonell	—	—	—	0	38	—	—	—	—
p Dumfries	160	68	31, 1	42	3rd	63·3	51·9	57·3	- 1·3	7	1·51	38	+19	Dumfries	3·6	—	23	0	39	59·2	- 1·7	57·1	- 1·9
t Eskdalemuir	794	65	31st	35	3rd	60·3	49·4	54·5	—	7	2·65	67	—	Eskdalemuir	2·9	—	18	0	32	—	—	—	—
b, I. OF MAN *h* Douglas	284	63	1, 6	48	3rd	60·1	53·0	56·3	- 1·3	7	3·31	84	+65	Douglas	3·5	- 2·7	22	0	44	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	77	1st	46	3rd	68·0	51·0	60·6	+2·7	6	1·15	29	+14	Cockle Park	—	—	—	—	—	—	—	—	—
t Tynemouth	118	74	1st	48	3rd	66·9	55·0	60·6	+2·4	7	1·14	29	+16										
p Durham	336	73	1st	42	3rd	64·0	51·7	57·5	- 1·1	7	0·86	22	+ 9	Durham	4·4	- 0·9	28	0	36	—	—	—	—
a North *p* Rounton	249	75	1st	46	3rd	67·0	54·4	60·3	+2·3	6	1·44	37	+23	Rounton	—	—	—	0	37	61·1	—	—	—
a West Witton	605	75	1st	45	3rd	65·1	54·6	59·5	—	6	1·07	27	—	West Witton	—	—	—	0	40	61·6	—	56·4	—
h Scarborough	118	80	1st	53	3rd	69·6	58·0	63·5	+4·0	6	0·86	22	+ 9	Scarborough †	5·6	—	36	—	—	—	—	61·5	—
p York	56	80	1st	50	3rd	69·3	56·6	62·6	+2·2	6	0·84	21	+ 9	York	3·8	- 1·6	24	—	—	62·0	+2·1	59·0	+2·0
t Spurn Head	26	82	1st	54	4th	71·1	58·1	64·2	+3·9	6	0·51	13	+ 3										
b, South *a* Lincoln	58	82	1st	52	3rd	72·1	57·6	64·4	+3·4	5	0·60	15	+ 3	Lincoln	—	—	—	0	48	64·6	+3·2	61·1	+3·6
t Cranwell	237	81	1st	50	3rd	71·0	57·0	63·6	+2·8	4	0·98	25	+12	Cranwell	5·3	- 1·3	34	0	49	—	—	—	—
														Skegness	6·3	- 0·3	40	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	83	1st	50	3rd	73·7	55·7	64·2	+3·9	4	0·27	7	- 3	Cromer	6·2	- 0·5	40	—	—	—	—	—	—
a Little Massingham	277	82	1st	51	3rd	71·7	56·6	63·7	+3·2	4	0·57	14	+ 1	Lit Massingham	5·9	- 0·5	38	—	—	—	—	—	—
t Yarmouth	13	82	1st	53	4th	74·4	56·1	64·7	+4·1	3	0·25	6	- 5	Yarmouth	7·4	—	48	0	48	66·1	+1·8	63·0	+2·0
a Norwich	93	84	1st	51	4th	74·7	57·4	65·5	+4·5	3	0·27	7	- 4	Norwich	6·2	—	40	0	47	66·8	—	—	—
a Geldeston	37	82	1st	50	3, 4	74·9	56·0	64·9	+4·2	3	0·19	5	- 5	Geldeston	6·7	- 0·1	43	—	—	—	—	—	—
p Cambridge	41	80	1st	50	3rd	73·9	55·4	64·1	+2·7	3	0·24	6	- 4	Cambridge	6·5	- 0·2	42	0	42	67·7	+4·5	63·4	+3·6
t Clacton-on-Sea	54	75	31, 1	53	3rd	72·0	59·4	65·3	+3·9	2	0·08	2	- 7	Clacton-on-Sea	6·8	- 0·6	44	0	48	65·8	+4·3	62·9	+2·9
a Rothamsted	420	76	31st	47	3rd	70·6	55·7	62·7	+2·4	2	0·12	3	- 8	Rothamsted	4·8	- 1·8	31	0	41	64·0	—	—	—
p Tottenham	51	76	2nd	54	4th	72·3	59·9	65·7	—	3	0·15	4	—	Tottenham	5·9	—	38	0	53	—	—	68·4	+7·3
														Southend	6·4	—	42	—	—	—	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	77	1st	46	3rd	66·7	54·6	60·3	+2·1	6	0·91	23	+ 9	Harrogate	4·0	- 1·7	26	0	40	59·5	+1·8	58·4	+2·3
a North *p* Sheffield	429	80	1st	48	3rd	70·3	55·4	62·4	—	5	0·55	14	—	Sheffield	4·7	- 1·0	30	0	40	62·3	+2·9	58·9	+3·5
h Buxton	987	73	1st	47	3rd	64·6	53·6	58·8	+1·9	6	2·14	54	+32	Buxton	3·3	—	21	0	41	62·4	+3·9	60·3	+5·5
a Worksop	56	—	—	—	—	—	—	—	—	—	—	—	—	Worksop									
t Nottingham	82	80	1st	51	3rd	70·6	58·0	63·9	+3·5	6	1·28	33	+20	Nottingham	5·0	- 0·8	32	0	46	64·2	+3·0	62·7	+4·1
b, East *p* Birmingham, Edgbsn.	525	75	31, 1	51	3rd	68·3	55·7	61·6	+1·5	5	1·22	31	+18	Birmingham	3·5	- 1·4	23	0	47	59·6	+3·0	56·2	+3·0
a Raunds	203	78	31, 1	50	3rd	72·3	57·7	64·6	+3·4	5	0·49	13	- 1	Raunds	6·0	—	39	0	45	67·3	—	—	—
p Oxford	208	76	31st	53	3, 4	70·3	57·3	63·4	+2·0	5	0·32	8	- 4	Oxford	4·6	- 1·8	30	0	49	—	—	—	—
														Malvern	4·2	—	27	0	47	64·9	—	64·3	—
a Cheadle (N. Staffs.)	646	79	1st	49	3rd	67·9	56·0	61·6	+3·1	4	1·35	34	+17	Cheadle	—	—	—	0	49	—	—	—	—
c, West *p* Tenbury	313	75	1st	48	3rd	67·6	55·6	61·2	+1·6	4	1·55	39	+26	Tenbury	—	—	—	0	44	62·4	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	4·5	—	29	0	44	65·5	—	62·7	—
a Clifton	225	75	31st	53	4th	69·6	57·4	63·1	+0·6	6	1·29	33	+16	Clifton	4·6	—	30	0	52	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	73	31st	45	3rd	67·6	54·4	60·6	+1·5	6	0·58	15	+4	Worthing	5·1	- 2·5	33	0	44	65·1	+0·7	62·8	+2·4
a Porton	340	73	31st	45	3rd	69·6	54·7	61·7	—	5	0·63	16	—	Marlborough	5·4	- 0·6	35	0	40	62·8	—	60·0	—
a Wisley, Surrey	150	77	2nd	46	3rd	72·3	58·0	64·7	+3·5	4	0·17	4	- 5	Porton	—	—	—	0	35	64·1	—	—	—
h Tunbridge Wells	354	73	31st	46	3rd	71·1	55·1	62·6	+1·6	4	0·38	10	0	Wisley, Surrey	5·5	- 1·2	36	0	35	66·3	+3·3	62·1	+2·4
h Margate	51	81	1st	53	4th	74·7	58·3	66·0	+3·7	2	0·23	6	- 3	Tunbridge Wells	5·2	- 1·7	34	0	36	64·1	- 0·7	62·0	—
														Margate	6·8	+0·2	44	0	48	70·1	+7·5	68·1	+8·7
t Dungeness	21	71	1st	53	3rd	68·9	59·7	64·0	+2·6	3	0·14	4	- 4	Folkestone	7·2	—	47	0	38	—	—	64·0	—
h St. Leonards	178	72	31st	54	3, 4	69·2	58·4	63·5	+1·9	3	0·25	6	- 4	St. Leonards	5·7	- 1·8	37	0	48	67·5	—	63·5	—
p Southampton	64	73	2nd	50	3rd	69·6	56·7	62·8	+0·1	5	0·60	15	+ 4	Southampton	4·9	- 2·2	32	0	40	—	—	—	—
a Ventnor	59	69	2, 3	56	4th	67·3	60·6	63·8	+1·6	5	0·45	12	+ 3	Ventnor	4·5	- 2·7	30	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	77	31st	51	3rd	72·7	58·4	65·1	+3·0	2	0·13	3	- 7	Richmond	5·3	- 1·2	35	0	39	66·2	+3·9	61·9	+3·4
a Westminster	27	76	31st	52	3rd	71·4	59·1	64·9	+2·1	4	0·12	3	- 7	Westminster	5·7	- 0·2	37	0	45	—	—	—	—
ag Greenwich	149	79	31, 2, 5	48	3rd	75·7	56·7	65·6	+2·7	3	0·18	5	- 5	Greenwich	6·1	- 0·4	40	0	36	—	—	—	—
a Hampstead	450	74	31, 2	51	4th	69·7	56·9	62·9	—	4	0·26	7	—	Hampstead	5·1	—	33	0	42	—	—	—	—
ag Camden Square	110	78	31, 2	52	3, 4	74·0	58·3	65·7	+2·2	3	0·29	7	- 3	Camden Square	—	—	—	0	48	66·9	—	63·9	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	66	1st	46	3rd	61·3	51·9	56·3	- 1·7	7	2·44	62	+38	Aspatria	2·5	- 3·2	16	0	44	58·6	- 1·3	56·3	+0·9
p Newton Rigg	559	71	1st	43	3rd	63·4	51·7	57·2	- 0·4	7	2·61	66	+47	Newton Rigg	3·1	- 2·5	20	0	37	—	—	—	—
p Stonyhurst	375	72	1st	49	3rd	64·6	55·9	60·0	+1·7	7	2·55	65	+38	Stonyhurst	2·1	- 3·4	13	0	42	—	—	—	—
h Blackpool	66	71	1st	50	3rd	64·9	57·0	60·7	+1·5	7	2·98	76	+56	Blackpool	2·6	- 4·0	16	0	46	61·8	—	58·0	—
h Southport	37	73	1st	50	3rd	65·3	57·1	61·0	+1·6	6	2·41	62	+43	Southport	3·0	- 3·4	20	0	47	63·5	+0·1	62·5	+1·6
														Hoylake	2·8	- 3·3	18	—	—	—	—	—	—
t Liverpool (Bidston)	188	77	1st	50	3, 4	67·1	55·4	60·9	+1·0	6	1·91	48	+31	Liverpool	2·9	—	19	0	45	—	—	—	—
a Hawarden Bridge	22	75	1st	50	31, 3	68·1	55·6	61·5	+0·9	6	0·58	15	0	Manchester City	2·6	- 1·9	17	0	48	65·5	+4·2	64·8	+5·8
p Manchester (Whit. Pk.)	125	77	1st	51	3rd	68·7	56·7	62·3	+1·9	6	1·35	34	+14	„ Whit. Pk.	2·3	- 2·5	15	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	71	1st	49	3rd	65·3	56·9	60·9	+0·7	6	2·89	73	+57	Llandudno	3·4	- 2·9	22	—	—	—	—	—	—
t Holyhead	15	64	31, 1, 6	51	3rd	62·1	55·9	58·8	- 0·1	7	3·00	76	+59	Holyhead	2·7	—	18	0	42	—	—	—	—
a Aberdovey	60	67	31, 1	51	3rd	64·1	57·4	60·6	—	7	3·69	94	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	69	1st	50	3rd	64·1	58·1	60·9	—	5	2·86	73	—	Aberystwyth	Hr. 2·6	Hr. - 3·3	% 17	—	—	—	—	—	—
a Rhayader	757	68	1st	45	3rd	63·6	53·7	58·4	—	6	2·42	61	—	Rhayader ..	3·5	—	23	0	39	—	—	—	—
t Pembroke	149	65	31st	51	3rd	61·9	57·9	59·8	+0·9	5	2·31	59	+44	Pembroke ..	4·5	- 2·1	30	—	—	—	—	—	—
p Cardiff	202	75	31, 1	51	3rd	68·1	56·6	62·0	+1·8	5	1·81	46	+26	Cardiff ..	5·1	—	33	0	46	64·3	+2·7	62·0	+3·2
b, ENGLAND, S.W.																							
h Bath	66	76	1st	55	3, 4	70·7	58·9	64·5	+3·6	5	0·54	14	0	Bath	4·9	- 1·9	32	—	—	66·1	+1·7	63·8	+2·8
a Shaftesbury	722	71	31, 1	49	3rd	66·2	53·9	59·7	0·0	7	0·91	23	+8	Shaftesbury ..	—	—	—	—	—	62·7	—	61·5	—
a Arlington	613	69	31st	49	3rd	64·6	55·1	59·6	+1·0	6	2·24	57	+32										
h Newquay	190	72	31st	52	3rd	66·5	58·7	62·4	+2·1	5	1·50	38	+25	Newquay ..	5·1	- 1·8	33	—	—	63·9	—	61·1	—
a Cullompton	202	78	31st	50	3rd	71·0	57·0	63·6	+3·2	6	1·05	27	+11	Cullompton ..	4·8	- 1·4	32	0	42	65·0	—	—	—
t Portland Bill	19	66	2nd	59	31–4	65·1	59·3	62·0	+1·3	6	0·53	14	+3	Weymouth ..	4·9	—	32	—	—	—	—	—	—
p Plymouth	116	69	2nd	54	3rd	65·0	58·0	61·3	+0·3	6	1·31	33	+17	Plymouth ..	4·4	- 2·5	29	0	49	63·6	-0·7	62·0	—
a Falmouth	167	68	31, 2, 6	51	3rd	66·4	57·0	61·4	+1.0	6	1·56	40	+23	Falmouth ..	4·8	- 2·5	32	0	49	63·7	—	64·6	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	66	1st	45	3rd	62·1	52·7	57·1	- 0·8	5	0·47	12	-10										
a, West .. *a* Mallarany ..	120	64	1st	45	4th	61·6	52·9	57·0	—	6	1·89	48	—	Mallarany ..	2·6	—	17	0	38	—	—	—	—
p Markree Castle.. ..	122	70	31st	44	3rd	63·1	50·4	56·4	- 0·6	7	2·52	64	+42	Markree Castle	2·0	- 2·2	13	0	36	60.6	+0·2	58·8	+2·2
p Armagh.. ..	204	71	31st	45	3rd	64·3	51·7	57·6	- 0·1	7	1·27	32	+14	Armagh ..	3·5	- 0·9	22	0	41	59·9	-1·3	57·9	+0·2
b, East .. *t* Donaghadee	35	70	1st	45	3rd	63·7	52·1	57·6	0·0	7	1·37	35	+18										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	35	62·0	+1·1	60·0	+2·0
p Dublin City	54	73	31st	48	3rd	66·1	54·3	59·9	- 0·3	7	1·28	33	+17	Phœnix Park	4·4	- 0·9	28	0	36	—	—	—	—
t Birr Castle	175	72	31st	47	3rd	64·9	53·7	59·0	+0·4	7	1·13	29	+10	Dublin City ..	—	—	—	0	45	—	—	—	—
a Kilkenny	195	75	31st	42	3rd	66·6	52·4	59·1	+0·1	7	2·90	74	+56	Birr Castle ..	4·0	- 0·6	26	0	38	—	—	—	—
a Waterford	137	70	6th	44	3rd	66·0	53·0	59·1	- 0·7	6	2·36	60	+40										
p Seskin, Carrick-on-Suir	542	72	31st	42	3rd	66·0	50·3	57·7	—	6	2·65	67	—	Seskin ..	4·6	—	29	0	37	—	—	—	—
a Foynes	50	73	31st	46	3rd	64·9	53·1	58·7	- 0·4	7	2·37	60	+40										
t Cahirciveen (Val. Obs.)	30	68	31st	48	3rd	63·9	55·0	59·2	0·0	7	2·24	57	+33	Cahirciveen ..	2·5	- 2·5	17	0	44	—	—	—	—
a Killarney	174	74	31st	47	3rd	66·8	54·5	60·3	+0·8	7	2·61	66	+44	Ballinacurra	3·8	- 1·3	25	—	—	—	—	—	—
t Roche's Point	32	67	31, 4, 6	48	3rd	64·9	54·9	59·6	+0·2	7	2·98	76	+57										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	67	31st	54	4th	65·4	58·4	61·7	+0·9	6	2·00	51	+38	Scilly ..	4·9	- 2·7	33	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	76	5th	55	31st	70·6	60·0	65·0	+2·3	3	0·06	2	-10	St. Heliers ..	7·1	- 1·5	47	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	76	5th	56	3rd	70·6	58·8	64·4	+2·2	4	0·36	9	- 3	Guernsey† ..	7·0	- 1·6	47	0	36	68·3	+4·4	66·3	+5·0

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, August 6th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	More than 17 m/s. or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	30	9	61	89	9	0	140	13	30	18	—	—	—	—
1. SCOTLAND, E.																			
Dyce *	305	75	15*	—	0	—	0	0	81	87	0	230	4	31	14	14	6	13	55
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	17	135	16	0	300	10	6	16	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	74	75	19	0	240	11	6	11	17	6	16	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	80	67	21	0	260	10	6	6	17	6	5	40
Paisley	188	81	15	—	0	—	0	30	117	21	0	270	8	6	5	20	6	5	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	3	79	86	0	?250	6	6	13	14	6	13	15
South Shields	72	61	12	—	0	—	0	27	109	32	0	280	9	6	9	17	1	13	35
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	1, 2	4	93	44	3	0	250	12	2	13	18	6	1	45
Shoeburyness	103	90	‡	Records Defective.															
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	2, 5	5	100	59	4	0	250	12	2	16	19	6	15	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	94	67	7	0	—	10	6	16	16	6	14	20
Larkhill, S'y Plain ..	513	63	43	—	0	2, 3, 5, 6	24	124	20	0	0	230	14	2	15	18	2	14	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	72	89	7	0	220	10	2	16	19	2	15	35
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	2 to 6	23	87	53	5	0	260	15	6	9	—	—	—	—
Southport	80	62	48	—	0	2 to 6	41	80	43	4	0	240	15	3	20	22	6	13	55
Holyhead	60	40	‡	—	0	2, 4 to 6	13	132	23	0	0	260	13	6	4	19	5	19	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	2, 5	7	31 to 6	78	80	3	0	0	220	19	5	20	24	5	19	50
Plymouth	185	88	2	—	0	1, 2. 4, 5	18	117	33	0	0	—	15	5	22	20	5	22	25
Lyme Regis	556	61	‡	—	0	5	1	88	75	4	0	—	11	5	23	16	5	21	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	2 to 4, 6	11	82	70	5	0	240	13	6	12	—	—	—	—
Quilty	100	40	‡‡	—	0	3 to 4, 6	21	112	30	5	0	—	12	3	14	18	3	11	15
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	3	8	85	30	—	45	260	12	3	13	16	5	12	5
Weaver Pt.	160	30	‡‡	—	0	5	5	96	65	2	0	—	13	5	15	20	5	14	45
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIRST WEEK of 1921—July 31st to August 6th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	71	41	89·4	83·4	86·2	+0·1	97	+ 3	0	0	6	+1	1·21	31	+ 9	5·2	+1·7	32	1001
Eastern.																			
1. SCOTLAND, EAST ..	74	35	90·9	83·4	86·9	0·0	106	+ 2	0	0	6	+2	0·72	18	+ 3	5·6	+ 0·5	35	1003
2. ENGLAND, N.E. ..	82	42	93·4	86·2	89·6	+ 1·4	139	+18	0	0	6	+3	0·93	24	+11	5·1	- 0·8	32	1009
3. ENGLAND, EAST ..	84	47	95·8	86·8	91·1	+ 2·0	158	+26	0	0	3	0	0·24	6	- 4	6·3	- 0·4	41	1013
4. MIDLAND COUNTIES	80	46	93·7	86·6	89·9	+ 1·3	144	+18	0	0	5	+2	1·05	27	+14	4·4	- 1·5	29	1011
5. ENGLAND, S.E. ..	81	45	94·3	87·1	90·5	+ 1·1	151	+14	0	0	4	+1	0·37	9	- 1	5·6	- 1·4	37	1014
Western.																			
6. SCOTLAND, WEST ..	70	40	90·0	84·3	87·0	- 0·2	106	- 2	0	0	7	+3	1·84	47	+26	—	—	—	1005
7. ENGLAND, N.W. ..	77	43	91·4	85·9	88·5	+ 0·4	125	+ 5	0	0	7	+3	2·23	56	+36	2·8	- 3·0	18	1008
8. ENGLAND, S.W. ..	78	45	92·1	86·7	89·2	+ 0·7	134	+ 9	0	0	6	+3	1·47	37	+20	4·3	- 2·1	28	1013
9. IRELAND, NORTH ..	72	44	90·6	84·2	87·2	0·0	109	- 1	0	0	7	+2	1·35	34	+14	2·8	- 1·6	18	1006
10. IRELAND, SOUTH ..	75	42	91·6	85·2	88·2	0·0	122	+ 1	0	0	7	+3	2·23	57	+37	3·7	- 1·4	24	1009
11. ENGLISH CHANNEL..	76	54	93·5	88·1	90·6	+ 1·1	152	+14	0	0	4	+1	0·81	21	+ 9	6·4	- 2·0	42	1015
MEAN: DISTRICTS 1-10	84	35	92·4	85·6	88·8	+ 0·7	129	+ 9	0	0	6	+2	1·24	32	+16	4·5	- 1·3	29	1009

THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, May 29th to August 6th, 1921.

0. SCOTLAND, NORTH ..	81	35	88·9	81·9	85·2	+ 0·2	831	+18	0	- 2	39	- 2	6·25	159	- 18	4·5	- 0.1	25	1015
Eastern																			
1. SCOTLAND, EAST ..	84	29	90·9	82·0	86·1	+ 0·3	954	+43	0	- 1	33	- 3	4·31	109	- 37	6·2	+ 0·6	36	1016
2. ENGLAND, N.E. ..	92	33	92·8	83·6	87·9	+ 1·1	1175	+139	0	0	27	- 4	2·86	74	- 56	6·8	+ 0·8	41	1018
3. ENGLAND, EAST ..	91	33	94·4	84·2	88·9	+ 1·1	1307	+137	0	0	15	-16	1·10	28	- 93	7·6	+ 0·9	46	1019
4. MIDLAND COUNTIES	93	34	95·5	83·8	89·2	+ 1·6	1341	+206	0	0	20	-11	2·47	64	- 68	7·4	+ 1·4	45	1018
5. ENGLAND, S.E. ..	91	32	95·0	84.7	89·4	+ 1·2	1374	+158	0	0	12	-17	1·09	27	- 88	8·0	+ 0·9	50	1019
Western.																			
6. SCOTLAND, WEST ..	82	37	91·4	82·9	86·9	+ 0·6	1119	+135	0	0	33	- 5	8·07	204	+19	—	—	—	1017
7. ENGLAND, N.W. ..	89	35	92·6	84·2	88·1	+ 1·0	1206	+136	0	0	29	- 5	4·82	124	- 36	7·0	+ 0·8	42	1018
8. ENGLAND, S.W. ..	89	35	94·1	84·8	89·1	+ 1·6	1330	+201	0	0	21	-12	3·46	89	- 64	7·9	+ 1·4	49	1019
9. IRELAND, NORTH ..	86	35	92·0	83·7	87·6	+ 1·3	1132	+149	0	0	32	-11	5·63	142	- 29	5·8	+ 0·7	34	1018
10. IRELAND, SOUTH ..	90	33	93·7	84·7	88·9	+ 1·6	1300	+202	0	0	27	- 9	6·90	177	+ 9	6·9	+ 1·2	42	1019
11. ENGLISH CHANNEL..	87	45	93·7	86·6	89·9	+ 1·7	1429	+212	0	0	20	-12	2·38	61	- 57	8·9	+ 1·0	55	1019
MEAN: DISTRICTS 1-10..	93	29	93·2	83·9	88·2	+ 1·1	1224	+151	0	0	25	- 9	4·07	104	- 44	7·1	+ 1·0	43	1018

THE YEAR. Aggregates, &c., for the Period of 31 Weeks, January 2nd to August 6th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·5	77·8	81·0	+ 0·8	1347	+152	348	-191	136	- 5	30·10	767	+75	3·8	+ 0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·5	77·4	81·3	+ 0·9	1513	+155	451	-166	109	-12	14·17	357	- 69	4·8	+ 0·6	36	1014
2. ENGLAND, N.E. ..	92	22	87·0	78·9	82·8	+ 1·6	1941	+410	250	-222	91	-17	8·74	225	-116	5·0	+ 0·4	38	1017
3. ENGLAND, EAST ..	91	23	87·9	79·3	83·4	+ 1·6	2204	+428	227	-267	71	-35	6·33	162	-165	5·7	+ 0·8	43	1018
4. MIDLAND COUNTIES	93	23	88·2	78·9	83·4	+ 1·7	2172	+405	253	-269	84	-21	8·67	222	-146	5·1	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	88·3	80·1	83·9	+ 1·5	2301	+414	170	-209	76	-26	7·14	182	-172	5.7	+ 0·6	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	85·9	78·7	82·2	+ 0·9	1751	+253	240	-176	129	+1	26·82	680	+55	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	86·6	79·6	83·0	+ 1·3	1943	+331	161	-221	105	- 9	15·84	404	- 61	5·1	+ 0·6	38	1017
8. ENGLAND, S.W. ..	89	22	87·7	80·1	83·7	+ 1·4	2185	+398	131	-170	93	-20	12·91	329	-177	5·6	+ 0·8	43	1019
9. IRELAND, NORTH ..	86	23	86·5	79·5	82·8	+ 1·1	1877	+318	148	-192	124	-16	17·43	441	- 80	4·2	+ 0·2	32	1016
10. IRELAND, SOUTH ..	90	23	87·6	80·2	83·7	+ 1·2	2173	+350	117	-143	116	- 7	18·73	478	- 71	4·8	+ 0·3	36	1018
11. ENGLISH CHANNEL..	87	32	87·8	82·1	85·2	+ 1·7	2482	+439	27	- 78	93	-25	9·19	233	-178	6·3	+ 0·5	48	1020
MEAN: DISTRICTS 1-10 ..	93	8	87·1	79·3	83·0	+ 1·3	2006	+346	215	-204	100	-16	13·68	348	-100	5·1	+ 0·6	39	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
12th August, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 32.

THIRTY-SECOND WEEK.

SUNDAY, AUGUST 7TH, TO SATURDAY, AUGUST 13TH, 1921.

Price 6d. Net, Post free 6½d.

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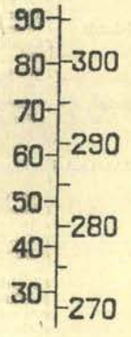
METEOROLOGICAL OFFICE LIBRARY 24 AUG 1921

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles generally was of a very unsettled character; several bright days were experienced, but after Wednesday thunderstorms occurred in nearly all parts of the country, the heaviest being on Saturday over the eastern parts of England, when Pulham measured as much as 80mm. of rain and Lowestoft 53mm.; several heavy falls were reported on Thursday, when Sheffield had 37mm., Hodsock Priory (Worksop) 35mm. and Lincoln 30mm.; the total fall for the week was above the normal in most districts. The highest of the maximum temperatures occurred generally on the 7th, when readings of about 298a were registered at several stations in the eastern and southern parts of England. The lowest of the screen minima were reported on the morning of the 9th when readings of about 277a were recorded at Balmoral, Gordon Castle and Marlborough, while ground frost occurred at the former station on the same date. Mean temperature was below the normal in all districts, the greatest deficit, about 2a, being shown in Scotland N. and Scotland E., and the mean daily range of temperature for the week was as much as 13a at a few stations in England S.E. The mean amount of bright sunshine varied a good deal in different parts of the country and was below the normal in all districts with the exception of England S.E. and the English Channel; several good records were obtained on various dates when a large number of stations had between 12 and 13 hours; Guernsey had 13·8 hours, Eastbourne 13·5 hours, Worthing 13·3 hours and St. Leonards 13·2 hours on the 8th, and Weymouth recorded 13·6 hours on the 11th. The mean departure from the normal ranged from +2·6 hours at Worthing to −3·1 at Harrogate. Solar halos were witnessed at Aberdeen and Ross-on-Wye on the 9th and at Oxford on the 10th and 13th. A parhelion was observed at Aberdeen on the 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	5	2·0	15	2·4	10	3·7	12	1·9	12	3·8	—	—	16	2·6	9	2·1
North	18	3·1	4	2·2	11	3·3	9	1·1	10	3·7	—	—	9	3·8	17	4·3
West	13	4·3	12	5·2	15	3·0	19	2·8	22	4·8	—	—	25	5·1	27	4·4
East	10	3·6	7	2·0	4	1·7	0	0·0	3	4·2	—	—	2	1·0	1	1·2
Calm	3	—	8	—	6	—	6	—	2	—	—	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
Rainfall ..	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
Sunshine ..	Scanty	Scanty	Scanty	Moderate	Scanty	Abundant	—	Scanty	Scanty	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *11* weeks from May 29th, 1921. Warmth ..	3, 5, 3	3, 5, 3	7, 2, 2	5, 5, 1	8, 2, 1	6, 3, 2	4, 6, 1	5, 5, 1	8, 2, 1	5, 4, 2	6, 3, 2	9, 1, 1
Rainfall ..	3, 4, 4	1, 5, 5	2, 3, 6	0, 5, 6	2, 2, 7	0, 4, 7	4, 3, 4	2, 3, 6	1, 3, 7	3, 2, 6	2, 3, 6	1, 5, 5
Sunshine ..	5, 3, 3	5, 3, 3	3, 7, 1	3, 8, 0	6, 3, 2	6, 5, 0	—	5, 2, 4	6, 3, 2	4, 4, 3	6, 2, 3	4, 5, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	56	7, 8	42	10th	53·4	44·7	48·8	- 4·2	3	0·20	5	- 10										
p Deerness, Orkney	165	58	7th	43	12th	55·1	45·7	50.1	- 37	5	0·17	4	- 11	Deerness	2·2	- 16	14	—	—	—	—	—	—
a, Islands t Stornoway	51	59	7, 8	42	13th	56·4	47·0	51·4	- 3·4	4	0·75	19	- 1	Stornoway	3·2	- 1·0	20	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	61	9th	43	9, 12	56·1	46·4	51·0	- 3·6	5	0·48	12	- 3										
a Strathpeffer	125	62	7th	45	9th	58·7	48·6	53·4	- 3·1	3	0·86	22	+ 8										
b, Main- p Glencarron	500	58	11th	42	9th	55·9	47·6	51·5	- 3·2	5	1·23	31	- 5										
land. a Fort Augustus	68	61	13th	43	9th	58·0	49·0	53·2	- 3·2	6	0·86	22	+ 4										
p Fort William	171	62	13th	45	9th	59·4	49·3	54·1	- 2·7	5	1·03	26	- 6										
1. SCOTLAND, E.																							
t Nairn	82	63	7, 9	45	9th	58·9	47·4	52·8	- 3·8	4	0·72	18	+ 4	Nairn	3·4	—	22	—	—	—	—	—	—
p Gordon Castle	101	63	7, 9	40	13th	58·6	46·7	52·3	- 4·4	5	0·82	21	+ 3	Gordon Castle	3·0	—	19	—	—	—	—	—	—
t Aberdeen	46	67	7th	42	13th	60·4	48·0	53·8	- 2·8	4	0·38	10	- 6	Aberdeen	4·6	- 0·3	30	0	34	—	—	55·2	+1·1
a Balmoral	930	60	9th	39	9th	55·6	45·1	50·0	- 4·0	6	0·59	15	- 2	Balmoral	—	—	—	1	28	—	—	—	—
p Crieff	432	64	9th	41	9, 12	59·9	45·9	52·5	- 5·1	6	1·75	44	+22	Crathes	3·7	- 0·8	24	0	31	54·0	- 4·8	52·9	- 2·3
a Dundee	244	64	8, 9	40	9th	61·0	47·0	53·6	- 4·1	6	0·46	12	- 7	Dundee	3·3	—	21	0	35	57·4	—	—	—
t Inchkeith (F. of Forth)	190	62	9,10,13	48	9th	59·7	51·4	55·3	—	6	1·04	27	—	Inchkeith (F. of Forth)	—	—	—	0	46	—	—	—	—
p Edinburgh	441	64	9th	46	9th	59·7	49·3	54·2	- 2·8	7	0·44	11	- 5	Edinburgh	2·9	- 2·1	19	0	42	—	—	—	—
a West Linton	769	60	10th	42	9th	57·4	46·7	51·7	- 2·6	7	0·66	17	—	West Linton	—	—	—	0	35	—	—	—	—
a Marchmont	498	—	—	43	9th	—	48·3	—	—	5	0·53	13	- 5	Marchmont	3·5	- 1·4	22	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	65	11th	45	9th	60·1	50·2	54·9	—	6	1·39	35	—	Ford (Argyll)	—	—	—	0	43	59·9	—	57·4	—
t Renfrew	49	64	10th	48	9, 13	60·7	50·3	55·2	—	5	1·38	35	—	Renfrew	3·6	—	23	0	37	—	—	—	—
p Rothesay	200	63	10th	45	13th	59·7	49·3	54·2	- 3·2	5	1·30	33	+ 7	Rothesay	3·5	—	22	0	40	58·6	—	57·0	+1·3
a Kilmarnock	90	64	9, 10	45	13th	61·9	50·6	55·9	- 0·6	3	1·46	37	+15	Kilmarnock	4·1	—	26	—	—	58·2	—	56·2	—
a Colmonell	170	64	13th	50	9, 10	61·9	51·4	56·3	- 0·1	4	0·86	22	+ 1	Colmonell	—	—	—	0	44	—	—	—	—
p Dumfries	160	65	13th	46	9th	61·7	50·0	55·5	- 2·7	5	0·99	25	+ 5	Dumfries	4·3	—	28	0	38	58·1	- 3·0	56·9	- 2·2
t Eskdalemuir	794	61	13th	41	13th	58·4	46·3	52·0	—	6	0·80	20	—	Eskdalemuir	2·5	—	16	0	37	—	—	—	—
b, I. OF MAN h Douglas	284	62	13th	47	9th	60·0	51·1	55·3	- 2·1	3	1·19	30	+ 9	Douglas	3·3	- 2·7	22	0	43	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	8th	46	9th	61·3	50·0	55·3	- 2·0	5	0·72	18	+ 2	Cockle Park	3·9	- 1·4	25	0	36	55·2	- 3·3	55·6	- 0·4
t Tynemouth	118	66	9th	48	9th	60·4	51·9	55·9	- 1·8	5	0·87	22	+ 7										
p Durham	336	65	8, 9	49	9th	61·3	50·4	55·5	- 2·5	4	0·87	22	+ 8	Durham	2·8	- 2·3	18	0	41	—	—	—	—
a North p Rounton	249	66	8th	44	9th	61·6	49·6	55·2	- 2·2	7	1·03	26	+10	Rounton	—	—	—	0	33	58·7	—	—	—
a West Witton	605	65	10th	46	9th	62·6	49·6	55·7	—	7	0·90	23	—	West Witton	—	—	—	0	41	58·2	—	56·2	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	66	9th	50	9th	62·3	52·7	57·2	- 2·5	6	1·47	37	+23	York	2·6	- 2·4	17	—	—	60·0	- 0·2	58·8	+1·5
t Spurn Head	26	69	10th	53	9th	64·9	55·0	59·7	- 0·1	4	0·62	16	+ 5										
b, South a Lincoln	58	68	13th	49	9th	65·1	52·9	58·6	- 1·7	5	2·00	51	+38	Lincoln	—	—	—	0	45	60·5	- 1·2	60·6	+2·7
t Cranwell	237	69	7th	48	9th	66·0	51·9	58·5	- 1·7	5	1·75	44	+30	Cranwell	4·1	- 2·2	27	0	45	—	—	—	—
														Skegness	4·5	- 2·0	30	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	72	10th	51	13th	67·7	52·7	59·8	- 0·3	4	0·76	19	+ 8	Cromer	4·7	- 1·4	31	—	—	—	—	—	—
a Little Massingham	277	71	10th	49	9th	66·7	52·6	59·2	- 0·9	4	1·00	26	+11	Lit Massingham	4·6	- 1·2	31	—	—	—	—	—	—
t Yarmouth	13	74	7th	49	9th	67·6	53·6	60·2	- 0·2	3	0·35	9	- 4	Yarmouth	5·5	—	37	0	46	63·7	- 1·0	62·1	+0·8
a Norwich	93	74	7, 10	51	9, 13	68·7	53·1	60·4	- 0·3	5	0·65	17	+ 4	Norwich	4·5	—	30	0	46	63·5	—	—	—
a Geldeston	37	74	7, 10	46	9, 13	69·1	51·0	59·5	- 0·9	3	0·55	14	+ 3	Geldeston	4·7	- 1·5	31	—	—	—	—	—	—
p Cambridge	41	75	7th	46	9, 10	70·4	51·0	60·1	- 0·9	4	0·44	11	- 1	Cambridge	4·9	- 1·2	33	0	38	64·2	+0·9	62·8	+2·6
t Clacton-on-Sea	54	76	7th	51	9th	70·1	55·0	62·1	+0·9	3	0·48	12	+ 2	Clacton-on-Sea	6·6	- 0·3	44	0	47	64·7	+2·7	62·3	+1·9
a Rothamsted	420	72	10, 11	46	10th	68·1	50·1	58·6	- 1·3	3	0·21	5	- 8	Rothamsted	4·5	- 1·6	30	0	38	61·7	—	—	—
p Tottenham	51	76	7th	52	9, 13	72·1	53·0	62·0	—	2	0·26	7	—	Tottenham	6·2	—	41	0	50	—	—	67·3	+5·9
														Southend	6·1	—	41	—	—	—	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	64	9th	46	9th	59·7	49·7	54·4	- 3·6	6	1·35	34	+20	Harrogate	2·2	- 3·1	15	0	39	57·3	- 0·5	57·4	+1·1
a North p Sheffield	429	66	7th	49	13th	62·7	51·7	56·9	—	7	2·21	56	—	Sheffield	2·7	- 2·6	18	0	41	59·1	- 0·6	58·5	+2·6
h Buxton	987	63	7th	48	13th	59·9	49·9	54·6	- 2·0	7	1·35	34	+13	Buxton	2·4	—	16	0	42	58·7	- 0·3	59·7	+4·6
a Worksop	56	70	9th	48	9th	66·0	51·9	58·5	- 1·2	6	2·00	51	+39	Worksop	2·7	- 2·1	18	0	37	60·7	—	59·7	—
t Nottingham	82	69	7th	50	9th	65·3	53·0	58·8	- 1·2	5	1·43	36	+24	Nottingham	3·7	- 1·8	25	0	44	60·3	- 1·2	61·5	+2·4
b, East p Birmingham, Edgbsn.	525	67	13th	49	9th	63·6	51·6	57·2	- 2·6	4	1·13	29	+16	Birmingham	2·9	- 1·9	19	0	45	56·4	- 0·7	55·6	+2·0
a Raunds	203	73	10th	48	9th	68·2	51·0	59·1	- 1·8	5	0·59	15	+ 2	Raunds	4·6	—	30	0	45	63·7	—	—	—
p Oxford	208	72	11th	50	8, 9	67·9	52·1	59·5	- 1·6	4	0·26	7	- 5	Oxford	5·4	- 0·7	36	0	43	—	—	—	—
														Malvern	3·7	—	25	0	45	62·1	—	62·9	—
c, West a Cheadle (N. Staffs.)	646	66	11th	46	8th	61·9	49·9	55·5	- 2·7	5	1·60	41	+24	Cheadle	—	—	—	0	45	—	—	—	—
p Tenbury	313	70	13th	47	9th	66·3	51·3	58·4	- 0·8	5	1·36	35	+21	Tenbury	—	—	—	0	42	60·3	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	4·8	—	32	0	43	61·3	—	62·6	—
a Clifton	225	67	9th	50	10th	63·6	52·9	57·9	- 4·3	3	1·00	25	+ 8	Clifton	6·3	—	42	0	48	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	69	9, 11	40	9th	66·6	47·6	56·5	- 2·4	2	0·18	5	- 7	Worthing	9·8	+2·6	66	0	44	64·3	- 0·2	62·2	+1·4
a Porton	340	71	7th	41	11th	68·8	44·0	55·7	—	3	0·25	6	—	Marlborough	7·3	+1·7	49	0	36	61·2	—	59·5	—
a Wisley, Surrey	150	76	9th	46	10, 12	73·1	49·9	60·8	- 0·2	2	0·11	3	- 6	Porton	—	—	—	0	33	62·0	—	—	—
h Tunbridge Wells	354	74	10th	46	9th	71·3	49·7	59·9	- 1·0	2	0·39	10	- 1	Wisley, Surrey	6·6	+0·3	44	0	33	65·4	+2·2	61·7	+1·6
h Margate	51	76	7th	53	12th	70·9	55·4	62·7	+0·4	3	0·58	15	+ 6	Tunbridge Wells	7·3	+0·7	49	0	36	63·1	- 2·1	61·5	—
														Margate	7·2	+0·9	48	0	49	67·5	+4·6	67·2	+7·3
t Dungeness	21	70	7, 8	49	13th	68·0	53·1	60·1	- 1·4	2	0·37	9	0	Folkestone	8·0	—	54	0	39	—	—	63·9	—
h St. Leonards	178	71	8th	50	9th	68·5	52·9	60·2	- 1·4	3	0·25	6	- 5	St. Leonards	8·5	+1·5	57	0	44	66·5	—	63·2	—
p Southampton	64	71	7, 8, 11	49	11, 12	69·7	51·3	60·0	- 2·5	3	0·35	9	- 3	Southampton	6·6	- 0·2	44	0	38	—	—	—	—
a Ventnor	59	69	7th	54	10, 12	68·1	55·3	61·3	- 1·0	3	0·27	7	- 2	Ventnor	8·2	+1·4	55	—	—	—	—	—	—
LONDON a Richmond (Kew Obs.)	18	74	7,10,11	49	12th	71·4	52·5	61·4	- 0·4	2	0·38	10	0	Richmond	6·1	- 0·1	40	0	40	65·1	+2·5	61·2	+2·4
a Westminster	27	77	7th	50	9, 12	72·3	53·6	62·4	- 0·2	2	0·27	7	- 3	Westminster	5·8	+0·2	39	0	42	—	—	—	—
ag Greenwich	149	79	7, 10	50	9, 12	75·4	51·9	63·0	+0.3	3	0·14	4	- 6	Greenwich	6·8	+0·5	45	0	36	—	—	—	—
a Hampstead	450	72	7, 9, 11	49	9, 12	69·6	51·9	60·2	—	2	0·36	9	—	Hampstead	6·4	—	43	0	41	—	—	—	—
ag Camden Square	110	77	7, 9, 11	50	9, 12	74·7	52·3	62·8	- 0.5	3	0·23	6	- 4	Camden Square	—	—	—	0	46	65·0	—	62·9	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	63	13th	49	8, 9, 11	60·3	49·6	54·6	- 3·3	6	0·81	21	- 1	Aspatria	2·8	- 2·4	18	0	44	56·8	- 3·1	55·8	+0·2
p Newton Rigg	559	65	13th	47	9th	61·1	49·3	54·9	- 2·3	6	0·75	19	+ 1	Newton Rigg	2·9	- 2·4	19	0	43				
p Stonyhurst	375	64	10, 13	47	9th	61·1	52·0	56·3	- 1·7	6	1·88	48	+23	Stonyhurst	2·8	- 2·3	18	0	43	—	—	—	—
h Blackpool	66	64	9, 13	52	12th	61·9	53·6	57·5	- 1·5	6	1·33	34	+16	Blackpool	3·4	- 2·7	22	0	46	60·6	—	58·0	—
h Southport	37	63	7,10,13	52	10, 12	61·7	54·0	57·6	- 1·6	6	1·31	33	+15	Southport	3·9	- 2·1	26	0	50	61·2	- 2·2	61·6	+0·5
														Hoylake	—	—	—	—	—	—	—	—	—
t Liverpool (Bidston)	188	64	8th	52	12th	61·9	53·1	57·2	- 2·5	6	1·66	42	+26	Liverpool	3·5	—	23	0	49	—	—	—	—
a Hawarden Bridge	22	66	7, 8, 10	51	9th	64·4	52·7	58·2	- 2·3	6	1·25	32	+18	Manchester City	2·6	- 1·6	17	0	45	62·3	+0·8	63·9	+4·4
p Manchester (Whit. Pk.)	125	66	10, 13	41	11th	63·3	50·3	56·4	- 3·8	6	1·65	42	+24	„ Whit. Pk.	2·6	- 1·7	17	—	—	—	—	—	—
8. NORTH WALES.																							
h Llandudno	22	63	8, 9	47	11th	62·1	53·3	57·4	- 2·6	5	0·87	22	+ 7	Llandudno	3·8	- 2·1	25	—	—	—	—	—	—
t Holyhead	15	63	8th	51	11th	61·6	53·0	57·0	- 1·9	6	1·27	32	+16	Holyhead	4·0	—	27	0	41	—	—	—	—
a Aberdovey	60	66	11th	53	11, 13	63·1	54·9	58·8	—	5	1·79	45	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters a and p retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, p for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	64	9th	54	11th	62·0	55·7	58·7	—	6	1·28	33	—	Aberystwyth	4·4	- 1·3	29	—	—	—	—	—	—
a Rhayader	757	65	11th	50	11, 13	61·7	51·4	56·2	—	7	1·04	26	—	Rhayader ..	3·3	—	22	0	45	—	—	—	—
t Pembroke	149	62	9,12,13	53	11th	61·1	55·1	57·9	- 1·3	5	0·61	16	+1	Pembroke ..	5·7	- 0·7	38	—	—	—	—	—	—
p Cardiff	202	67	9th	49	9th	64·1	52·6	58·0	- 2·3	4	0·56	14	- 5	Cardiff ..	6·1	—	41	0	40	62·3	+0·1	61·0	+1·9
b, ENGLAND, S.W.																							
h Bath	66	69	9th	49	9,10,12	66·1	51·7	58·5	- 2·4	3	0·61	15	+1	Bath	5·0	- 1·4	33	—	—	63·8	- 1·0	63·0	+1·6
a Shaftesbury	722	66	8, 11	48	11th	63·4	50·0	56·3	- 3·4	4	0·67	17	+3	Shaftesbury ..	—	—	—	—	—	61·2	—	60·8	—
a Arlington	613	65	8, 9	46	12th	62·9	50·7	56·4	- 2·3	6	0·97	25	+1										
h Newquay	190	68	7th	48	11th	63·2	54·7	58·7	- 1·8	6	0·50	13	+1	Newquay ..	5·9	- 0·7	40	—	—	63·3	—	60·7	—
a Cullompton	202	71	7th	43	11th	66·7	48·6	57·1	- 3·3	5	0·38	10	- 5	Cullompton ..	3·8	- 2·2	25	0	36	62·6	—	—	—
t Portland Bill	19	65	7-9, 13	56	12th	64·3	58·1	61·0	0·0	3	0·55	14	+4	Weymouth ..	7·1	—	48	—	—	—	—	—	—
p Plymouth	116	68	8th	48	12th	65·4	52·6	58·6	- 2·5	5	0·48	12	- 2	Plymouth ..	6·0	- 0·6	40	0	42	62·6	-1·7	61·2	—
a Falmouth	167	68	7, 9	47	11th	65·6	52·4	58·6	- 1·9	6	0·49	13	- 3	Falmouth ..	5·4	- 1·6	36	0	43	61·9	—	63·9	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	61	7, 12	49	10th	59·4	51·6	55·3	- 2·7	7	1·45	37	+11										
a, West .. *a* Mallarany ..	120	62	7, 13	48	12th	60·4	51·1	55·5	—	6	2·07	53	—	Mallarany ..	3·2	—	21	0	43	—	—	—	—
p Markree Castle.. ..	122	63	11th	46	9th	60·6	49·3	54·6	- 2·4	7	1·63	41	+16	Markree Castle	3·5	- 0·8	23	0	42	59.3	-1·4	58·1	+1·3
p Armagh.. ..	204	64	10, 11	45	13th	61·9	49·4	55·3	- 2·4	7	1·09	28	+7	Armagh ..	2·3	- 2·1	15	0	37	58·7	-2·5	57·3	-0·7
b, East .. *t* Donaghadee	35	64	9th	46	9th	61·1	50·9	55·7	- 2·0	6	0·93	24	+4										
														Trinity Coll.	—	—	—	0	37	60·0	-1·1	59·3	+1·1
10. IRELAND, S.														Phœnix Park	3·6	- 1·9	23	0	38	—	—	—	—
p Dublin City	54	64	11th	50	9, 11	62·4	51·6	56·7	- 3·2	6	0·41	10	- 8	Dublin City ..	—	—	—	0	45	—	—	—	—
t Birr Castle	175	65	7, 11	49	9, 11	62·3	49·9	55·7	- 2·6	6	1·26	32	+10	Birr Castle ..	3·8	- 1·0	25	0	42	—	—	—	—
a Kilkenny	195	68	7th	42	11th	64·0	48·6	55·8	- 2·9	7	0·95	24	+4										
a Waterford	137	67	11th	45	11th	64·4	49·9	56·7	- 2·9	7	1·21	31	+9										
p Seskin, Carrick-on-Suir	542	66	13th	44	11th	62·7	48·7	55·3	—	6	0·87	22	—	Seskin ..	4·5	—	30	0	39	—	—	—	—
a Foynes	50	63	7, 12	49	8th	61·1	51·7	56·1	- 2·8	6	1·18	30	+8										
t Cahirciveen (Val. Obs.)	30	63	7th	51	11th	60·6	53·3	56·7	- 2·4	6	1·80	46	+19	Cahirciveen ..	4·2	- 1·1	28	0	47	—	—	—	—
a Killarney	174	65	7, 8	49	10th	62·8	51·9	57·0	- 2·3	7	1·32	34	+9	Ballinacurra	—	—	—	—	—	—	—	—	—
t Roche's Point	32	65	11th	50	9, 11	62·9	51·7	57·0	- 2·3	7	0·56	14	- 7										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	71	9th	50	11th	65·6	54·1	59·5	- 1·5	5	1·32	34	+20	Scilly ..	6·3	- 1·1	43	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	72	7th	49	12th	66·9	54·9	60·5	- 2·5	2	0·36	9	- 4	St. Heliers ..	9·5	+1·3	64	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	74	7th	51	10th	67·6	54·6	60·7	- 1·8	3	0·27	7	- 6	Guernsey† ..	8·1	- 0·2	55	—	—	67·6	+3·3	66·1	+4·4

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, August 13th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s.			
Deerness (Cup Anr.)** ..	188	16	5	—	0	8	1	64	92	11	0	280	12	8	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce *	305	75	15*	—	0	—	0	0	75	93	0	290	3	8	9	14	8	15	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	9	141	18	0	290	7	8	10	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	40	80	48	0	270	9	8	17	14	8	16	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	30	99	39	0	230	10	7	16	15	7	15	50
Paisley	188	81	15	—	0	—	0	13	108	47	0	290	7	7	15	17	8	14	10
2. ENGLAND, N.E.																	7	15	20
Alnwick Castle	340	70	17	—	0	—	0	0	89	73	6	220	5	7	15	13	7	15	30
South Shields	72	61	12	—	0	—	0	21	97	50	0	290	10	8	9	17	8	8	40
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	45	98	25	0	200	8	10	6	12	7	11	10
Shoeburyness	103	90	‡	Records Defective.															
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	19	100	49	0	250	10	7	16	17	7	15	40
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	60	86	22	0	—	8	12	15	15	13	10	55
Larkhill, S'y Plain ..	513	63	43	—	0	7	5	64	98	1	0	260	13	7	15	17	7	16	0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	16	90	62	0	220	9	7	17	18	7	16	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	7, 8, 13	20	71	57	17	3	280	15	8	1 3	—	—	—	—
Southport	80	62	48	—	0	7, 8	28	58	69	13	0	280	15	8	1	19	8	16	25
Holyhead	60	40	‡	—	0	7, 8	4	100	60	4	0	270	12	7	23	17	10	0	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	7	2	7, 13	11	96	50	9	0	220	18	7	14	24	7	14	40
Plymouth	185	88	2	—	0	—	0	26	96	46	0	—	10	7	17	16	7	16	30
Lyme Regis	556	61	‡	—	0	—	0	11	129	28	0	—	9	7	15	13	7	15	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	7	3	96	67	2	0	260	11	7	22	—	—	—	—
Quilty	100	40	‡‡‡	—	0	7 to 10. 13	13	127	28	0	0	—	12	9	24	17	7	22	40
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	10, 11	5	99	59	5	0	350	13	11	1	20	11	0	35
Weaver Pt.	160	30	‡	—	0	11	1	81	84	2	0	—	11	11	24	17	11	14	55
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	Records Defective.															

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SECOND WEEK of 1921—August 7th to August 13th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	62	42	86·8	81·6	84·1	− 1·8	69	− 23	0	0	4	− 1	0·77	20	− 2	2·7	− 0·9	17	1008
Eastern.																			
1. SCOTLAND, EAST ..	67	39	87·8	81·5	84·4	− 2·3	74	− 28	0	0	5	+1	0·81	21	+ 3	3·6	− 1·2	23	1008
2. ENGLAND, N.E. ..	69	44	90·2	84·0	86·9	− 0·9	105	− 12	0	0	5	+1	1·17	30	+16	3·6	− 1·9	23	1009
3. ENGLAND, EAST ..	76	46	93·5	84·4	88·7	− 0·2	127	− 3	0	0	3	0	0·52	13	+ 1	5·2	− 0·9	35	1010
4. MIDLAND COUNTIES	73	46	91·2	83·8	87·3	− 1·1	110	− 14	0	0	5	+2	1·19	30	+17	3·9	− 1·8	26	1010
5. ENGLAND, S.E. ..	76	40	93·9	83·7	88·5	− 0·9	125	− 11	0	0	3	0	0·31	8	− 2	7·6	+1·0	51	1011
Western.																			
6. SCOTLAND, WEST ..	65	45	89·1	83.2	85·9	− 1·2	93	− 14	0	0	4	0	1·22	31	+ 8	—	—	—	1009
7. ENGLAND, N.W. ..	66	41	89·7	84·1	86·7	− 1·2	102	− 16	0	0	6	+2	1·27	32	+13	3·2	− 2·2	21	1010
8. ENGLAND, S.W. ..	71	43	90·8	84·3	87·4	− 1·2	111	− 15	0	0	5	+1	0·64	16	0	4·9	− 1·3	33	1012
9. IRELAND NORTH ..	65	45	89·2	83·1	85·9	− 1·3	93	− 15	0	0	7	+3	1·27	32	+ 9	2·9	− 1·5	19	1010
10. IRELAND, SOUTH ..	68	42	90·0	83·6	86·6	− 1·5	102	− 18	0	0	7	+3	1·09	28	+ 6	3·9	− 1·4	26	1012
11. ENGLISH CHANNEL..	74	49	92·3	85·5	88·7	− 1·0	127	− 13	0	0	3	0	0·65	17	+ 3	8·0	0·0	54	1014
MEAN: DISTRICTS 1-10	76	39	90·5	83·6	86·8	− 1·2	104	− 15	0	0	5	+1	0·95	24	+ 7	4·3	− 1·2	29	1010

THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, May 29th to August 13th, 1921.

0. SCOTLAND, NORTH ..	81	35	88·7	81·9	85·0	0·0	900	− 5	0	− 2	43	− 3	7·02	179	− 20	4·3	− 0·3	25	1015
Eastern																			
1. SCOTLAND, EAST ..	84	29	90·7	81·9	86·0	+ 0·1	1028	+15	0	− 1	38	− 2	5·12	130	− 34	5·9	+ 0·4	35	1015
2. ENGLAND, N.E. ..	92	33	92·6	83·6	87·8	+ 0·9	1280	+127	0	0	32	− 3	4·03	104	− 40	6·5	+ 0·5	40	1017
3. ENGLAND, EAST ..	91	33	94·3	84·2	88·9	+ 1·0	1434	+134	0	0	18	−16	1·62	41	− 92	7·4	+ 0·7	45	1018
4. MIDLAND COUNTIES	93	34	95·1	83·8	89·0	+ 1·4	1451	+192	0	0	25	− 9	3·66	94	− 51	7·1	+ 1·1	44	1018
5. ENGLAND, S.E. ..	91	32	94·9	84·6	89·4	+ 1·1	1499	+147	0	0	15	−17	1·40	35	− 90	8·0	+ 1·0	50	1018
Western.																			
6. SCOTLAND, WEST ..	82	37	91·2	82·9	86·8	+ 0·4	1212	+121	0	0	37	− 5	9·29	235	+27	—	—	—	1016
7. ENGLAND, N.W. ..	89	35	92·3	84·2	88·0	+ 0·7	1308	+120	0	0	35	− 3	6·09	156	− 23	6·7	+ 0·6	40	1017
8. ENGLAND, S.W. ..	89	35	93·8	84·8	89·0	+ 1·4	1441	+186	0	0	26	−11	4·10	105	− 64	7·6	+ 1·1	47	1018
9. IRELAND, NORTH ..	86	35	91·7	83·7	87·4	+ 1·0	1225	+134	0	0	39	− 8	6·90	174	− 20	5·5	+ 0·5	33	1017
10. IRELAND, SOUTH ..	90	33	93·3	84·6	88·7	+ 1·4	1402	+184	0	0	34	− 6	7·99	205	+15	6·7	+ 1·1	41	1018
11. ENGLISH CHANNEL..	87	45	93·5	86·5	89·8	+ 1·5	1556	+199	0	0	23	−12	3·03	78	− 54	8·8	+ 0·9	55	1019
MEAN: DISTRICTS 1-10..	93	29	93·0	83·8	88·1	+ 0·9	1328	+136	0	0	30	− 8	5·02	128	+37	6·8	+ 0·8	42	1017

THE YEAR. Aggregates, &c., for the Period of 32 Weeks, January 2nd to August 13th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·6	77·9	81·1	+ 0·7	1416	+129	348	−191	140	− 6	30·87	787	+73	3·7	+ 0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·6	77·5	81·4	+ 0·8	1587	+127	451	−166	114	−11	14·98	378	− 66	4·8	+ 0·6	35	1014
2. ENGLAND, N.E. ..	92	22	87·0	79·1	82·9	+ 1·5	2046	+398	250	−222	96	−16	9·91	255	−100	4·9	+ 0·3	37	1016
3. ENGLAND, EAST ..	91	23	88·1	79·4	83·6	+ 1·6	2331	+425	227	−267	74	−35	6·85	175	−164	5·7	+ 0·8	43	1018
4. MIDLAND COUNTIES	93	23	88·3	79·1	83·5	+ 1·6	2282	+391	253	−269	89	−19	9·86	252	−129	5·0	+ 0·6	38	1018
5. ENGLAND, S.E. ..	91	21	88·5	80·2	84·0	+ 1·4	2426	+403	170	−209	79	−26	7·45	190	−174	5·8	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·0	78·9	82·3	+ 0·8	1844	+239	240	−176	133	+1	28·04	711	+63	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	86·7	79·8	83·1	+ 1·2	2045	+315	161	−221	111	− 7	17·11	436	− 48	4·9	+ 0·4	38	1017
8. ENGLAND, S.W. ..	89	22	87·8	80·2	83·8	+ 1·3	2296	+383	131	−170	98	−19	13·55	345	−177	5·6	+ 0·7	42	1019
9. IRELAND, NORTH ..	86	23	86·6	79·6	82·9	+ 1·1	1970	+303	148	−192	131	−13	18·70	473	− 71	4·2	+ 0·2	31	1015
10. IRELAND, SOUTH ..	90	23	87·7	80·3	83·8	+ 1·1	2275	+332	117	−143	123	− 4	19·82	506	− 65	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·0	82·2	85·3	+ 1·6	2609	+426	27	− 78	96	−25	9·84	250	−175	6·4	+ 0·6	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·2	79·4	83·1	+ 1·2	2110	+332	215	−204	105	−15	14·63	372	− 93	5·1	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
19th August, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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METEOROLOGICAL OFFICE 129 30 AUG 1921 LIBRARY

FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 33.

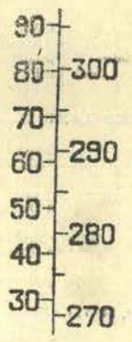
THIRTY-THIRD WEEK.

SUNDAY, AUGUST 14TH, TO SATURDAY, AUGUST 20TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the first few days of the week the weather was under the influence of the depression to the north-westward of the British Isles, which eventually moved south-eastward causing rain in most districts. Thunderstorms occurred at a number of stations mostly on the 16th or 17th and also on the 20th. On Thursday and Friday anticyclonic conditions prevailed and fine bright weather was experienced in most parts of the country. The highest of the maxima occurred as a rule on the 19th, when temperature rose to slightly above 300a at a number of stations in the southern parts of England, including London. The lowest screen minimum, 274a, was recorded at Balmoral on the 16th, while the grass minimum thermometer registered a temperature as low as 271a on the same date. The mean temperature for the week was above the normal in all districts except Scotland N. and E., the largest excess, 1·4a, being shown in England E., and the mean daily range of temperature for the week was as much as 11a and more at several stations, mostly in the south-east of England. Rainfall was deficient over England and Ireland but above the normal in Scotland E. and W.; individual amounts of more than 20mm. were recorded at several stations, the largest being 35mm. at Creiff, 30mm. at Dumfries and 29mm. at Gordon Castle on the 20th, and 26mm. at Eskdalemuir on the 16th. Bright sunshine was above the normal in the eastern and western parts of England but below the normal in most other districts; at a large number of stations between 12 and 13 hours were recorded on the 18th or 19th, the largest amounts being 14·0 hours at Falmouth on the 19th and 13·3 hours at Douglas (Isle of Man) and 13·1 hours at Felixstowe on the 18th. The mean departure from the normal ranged from +3·2 hours at Whitworth Park, Manchester, to −4·0 hours at Jersey. Solar halos were observed at Hodsock Priory (Worksop) and Stonyhurst on the 18th, and at Oxford on the 17th and 19th. Lunar halos were seen at Ross-on-Wye on the 16th and 20th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	12	2·4	2	1·4	11	4·0	4	4·0	6	6·0	3	1·5	10	2·3	8	3·4
North	13	3·9	4	1·5	9	3·2	17	2·0	20	3·6	21	3·0	10	3·7	14	5·4
West	16	2·3	3	1·8	8	3·0	9	1·8	11	2·8	11	2·9	12	4·1	11	4·1
East	9	5·0	3	2·4	15	5·2	14	3·2	13	2·2	9	2·7	8	2·1	9	1·8
Calm	2	—	22	—	3	—	5	—	2	—	4	—	5	—	5	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ..	Light	Heavy	Light	Light	Moderate	Moderate	Moderate	Light	Light	Light	Light	Moderate
	Sunshine ..	Moderate	Scanty	Moderate	Abundant	Moderate	Moderate	—	Abundant	Moderate	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. *12* weeks from May 29th, 1921.	Warmth ..	3, 6, 3	3, 6, 3	7, 3, 2	6, 5, 1	9, 2, 1	7, 3, 2	5, 6, 1	6, 5, 1	9, 2, 1	6, 4, 2	7, 3, 2	10, 1, 1
	Rainfall ..	3, 4, 5	2, 5, 5	2, 3, 7	0, 5, 7	2, 3, 7	0, 5, 7	4, 4, 4	2, 3, 7	1, 3, 8	3, 2, 7	2, 3, 7	1, 6, 5
	Sunshine ..	5, 4, 3	5, 3, 4	3, 8, 1	4, 8, 0	6, 4, 2	6, 6, 0	—	6, 2, 4	6, 4, 2	4, 5, 3	6, 3, 3	4, 5, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	57	19th	42	16th	53·0	46·4	49·5	- 3·1	3	0·16	4	- 12										
p Deerness, Orkney	165	62	18th	45	141516	56·6	48·3	52·2	- 1·1	4	0·59	15	- 1	Deerness	2·1	- 2·1	14	—	—	—	—	—	—
a, Islands *t* Stornoway	51	66	19th	44	14th	60·0	48·7	54·0	- 0·3	3	0·20	5	- 17	Stornoway	4·5	- 0·2	29	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	60	18, 20	42	16th	56·4	48·7	52·3	- 1·8	5	0·57	15	0										
a Strathpeffer	125	71	18, 19	38	16th	64·9	47·3	55·6	- 0·3	2	0·65	16	+ 2										
b, Main- *p* Glencarron	500	71	19th	41	16th	61·1	48·4	54·4	+0·2	1	0·22	6	- 32										
land. *a* Fort Augustus	68	75	19th	40	16th	64·9	48·4	56·2	+0·3	2	0·53	13	- 6										
p Fort William	171	73	19th	40	15th	65·9	49·7	57·3	+1·0	2	0·73	19	- 15										
1. SCOTLAND, E.																							
t Nairn	82	73	18th	36	16th	63·4	47·9	55·2	- 0·6	3	0·75	19	+ 4	Nairn	4·7	—	31	—	—	—	—	—	—
p Gordon Castle	101	73	18th	38	16th	63·7	47·0	54·9	- 1·0	3	1·45	37	+18	Gordon Castle	4·4	—	29	—	—	—	—	—	—
t Aberdeen	46	66	18th	41	16th	58·7	50·3	54·3	- 1·5	4	0·54	14	- 3	Aberdeen	3·2	- 1·7	21	0	32	—	—	54·7	+0·4
a Balmoral	930	74	19th	33	16th	62·4	45·6	53·5	+0·4	4	1·35	34	+15	Balmoral	—	—	—	1	29	—	—	—	—
p Crieff	432	74	18th	41	15th	63·4	49·3	55·9	- 0·9	5	2·35	60	+34	Crathes	4·2	- 0·2	28	0	32	54·6	- 3·7	52·5	- 3·1
a Dundee	244	71	18th	43	16th	62·4	49·6	55·6	- 1·2	4	1·55	39	+18	Dundee	1·7	—	11	0	37	57·3	—	—	—
														Inchkeith (F. of Forth)	—	—	—	0	44	—	—	—	—
t Inchkeith (F. of Forth)	190	68	15, 19	48	15th	62·6	50·9	56·4	—	4	0·77	20	—	Edinburgh	2·7	- 2·1	18	0	41	—	—	—	—
p Edinburgh	441	67	20th	45	15th	61·3	50·4	55·5	- 0·8	5	1·22	31	+13	West Linton	—	—	—	0	33	—	—	—	—
a West Linton	769	71	18th	37	15th	63·4	44·0	53·1	- 0·4	3	0·73	19	—	Marchmont	2·6	- 2·2	18	—	—	—	—	—	—
a Marchmont	498	—	—	42	16th	—	49·0	—	—	4	0·46	12	- 8										
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	70	19th	38	15th	65·1	48·4	56·3	—	3	0·78	20	—	Ford (Argyll)	—	—	—	0	37	60·4	—	57·4	—
p Rothesay	200	69	19th	41	20th	63·7	50·4	56·7	- 0·3	4	1·21	31	+ 3	Rothesay	6·0	—	40	0	39	58·6	—	57·0	+1·0
a Kilmarnock	90	71	18, 19	42	14, 15	66·6	47·9	56·7	+0·7	2	0·92	23	- 1	Kilmarnock	5·0	—	33			57·9	—	55·8	—
a Colmonell	170	72	17th	49	15th	66·3	52·7	59·1	+3·1	2	1·06	27	+ 4	Colmonell	—	—	—	0	45	—	—	—	—
t Renfrew	49	71	18th	42	15th	65·0	52·7	58·5	—	3	1·22	31	—	Renfrew	5·0	—	34	0	35	—	—	—	—
p Dumfries	160	77	19th	46	15th	69·4	51·0	59·7	+1·9	3	2·12	54	+32	Dumfries	7·0	—	47	0	39	59·6	- 1·2	57·0	- 2·4
t Eskdalemuir	794	75	20th	37	15th	67·1	46·1	56·0	—	3	1·11	28	—	Eskdalemuir	6·4	—	42	0	31	—	—	—	—
b, I. OF MAN *h* Douglas	284	74	18th	49	14th	66·7	53·4	59·7	+2·6	2	0·67	17	- 5	Douglas	8·3	+2·4	56	0	45	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	16th	45	16th	61·6	50·0	55·5	- 1·3	4	0·86	22	+ 4	Cockle Park	1·6	- 3·4	11	0	33	56·2	- 1·6	55·1	- 0·9
t Tynemouth	118	64	16th	49	16th	58·6	51·9	55·1	- 2·2	6	0·18	5	- 11										
p Durham	336	70	17, 18	41	16th	67·0	49·4	57·7	+0·3	2	0·20	5	- 9	Durham	3·2	- 1·6	21	0	34	—	—	—	—
a North *p* Rounton	249	70	17th	46	16th	65·3	50·0	57·2	+0·3	4	0·15	4	- 12	Rounton	—	—	—	0	36	59·6	—	—	—
a West Witton	605	71	181920	47	16th	68·7	50·6	59·1	—	3	0·06	2	—	West Witton	—	—	—	0	41	58·6	—	55·8	—
h Scarborough	118	69	16th	49	16th	63·6	53·6	58·3	- 0·2	3	0·16	4	- 12	Scarborough †	2·7	- 2·6	18	—	—	—	—	59·6	—
p York	56	75	16, 18	48	16th	70·9	51·7	60·7	+1·5	3	0·36	9	- 6	York	6·0	+1·1	40	—	—	60·6	+0·6	58·4	+0·8
t Spurn Head	26	70	16th	52	16th	64·1	54·9	59·2	- 0·2	1	0·20	5	- 7										
b, South *a* Lincoln	58	77	18th	47	16th	71·6	52·9	61·7	+1·9	2	0·33	8	- 6	Lincoln	—	—	—	0	44	61·1	- 0·1	59·8	+1·5
t Cranwell	237	76	18th	45	16th	69·7	51·6	60·1	+0·5	2	0·44	11	- 4	Cranwell	7·2	+1·2	49	0	40	—	—	—	—
														Skegness	7·8	+1·7	53	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	73	16, 17	49	16th	69·3	55·6	62·0	+2·1	3	0·56	14	+ 2	Cromer	9·0	+2·7	61	—	—	—	—	—	—
a Little Massingham	277	76	18th	50	15th	69·3	54·7	61·6	+1·8	2	0·14	4	- 12	Lit Massingham	8·7	+2·8	59	—	—	—	—	—	—
t Yarmouth	13	72	17, 18	50	15th	69·1	56·9	62·6	+2·5	1	0·04	1	- 13	Yarmouth	9·2	—	63	0	48	63·0	- 1·2	61·0	- 0·4
a Norwich	93	80	18th	48	16th	72·3	54·9	63·1	+2·7	1	0·19	5	- 8	Norwich	8·4	—	57	0	42	63·7	—	—	—
a Geldeston	37	78	18th	46	16th	71·7	53 0	61·8	+1·7	0	0·00	0	- 12	Geldeston	8·0	+1·7	54	—	—	—	—	—	—
p Cambridge	41	81	18th	44	16th	74·0	52·3	62·5	+1·8	3	0·24	6	- 7	Cambridge	6·8	+0·5	47	0	39	63·2	+0·3	61·9	+1·5
t Clacton-on-Sea	54	75	19th	50	15th	69·6	57·7	63·3	+2·3	2	0·11	3	- 7	Clacton-on-Sea	6·6	- 0·6	45	0	48	63·3	+1·4	61·9	+1·4
a Rothamsted	420	78	19th	46	16th	72·3	53·1	62·1	+2·6	4	0·67	17	+ 3	Rothamsted	5·8	- 0·4	40	0	38	61·7	—	—	—
p Tottenham	51	82	19th	50	16th	74·9	56·3	65·0	—	2	0·48	12	—	Tottenham	6·8	—	47	0	45	—	—	66·6	+4·8
														Southend	6·5	—	44	—	—	—	—	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	70	18, 19	46	14th	66·9	50·3	58·1	+0·5	2	0·09	2	- 14	Harrogate	5·9	+0·6	40	0	39	58·2	+0·6	56·8	+0·3
a North *p* Sheffield	429	74	18th	47	16th	69·4	52·4	60·4	—	4	0·29	7	—	Sheffield	6·3	+1·1	43	0	38	59·0	- 0·3	57·7	+1·6
h Buxton	987	72	18, 19	44	16th	66·4	48·1	56·7	+0·5	1	0·01	0·3	- 24	Buxton	7·6	—	51	0	36	59·0	+0·1	58·5	+3·1
a Worksop	56	77	18th	43	16th	72·6	51·3	61·3	+2·0	2	0·37	9	- 4	Worksop	5·7	+0·9	39	0	35	61·4	—	59·0	—
t Nottingham	82	76	18th	46	16th	70 6	52·7	61·1	+1·5	2	0·36	9	- 5	Nottingham	7·3	+1·7	50	0	43	61·8	+0·9	61·1	+1·8
b, East *p* Birmingham, Edgbsn.	525	76	18th	49	16th	68·6	51·7	59·6	+0·2	3	0·50	13	- 2	Birmingham	5·1	+0·3	35	0	37	56·8	- 0·1	55·0	+1·2
a Raunds	203	79	18th	45	16th	72·3	52·4	61·8	+1·3	2	0·74	19	+ 4	Raunds	6·6	—	45	0	40	63·1	—	—	—
p Oxford	208	81	18th	49	16th	72·4	53·4	62·3	+1·6	3	1·03	26	+13	Oxford	5·5	- 0·5	38	0	42	—	—	—	—
														Malvern	5·7	—	39	0	45	62·2	—	61·8	—
a Cheadle (N. Staffs.)	646	74	18th	45	16th	69·3	48·6	58·3	+0·5	3	0·22	6	- 13	Cheadle	—	—	—	0	42	—	—	—	—
c, West *p* Tenbury	313	78	18th	46	20th	70·4	49·4	59·3	+0·5	3	0·19	5	- 11	Tenbury	—	—	—	0	42	61·1	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	5·5	—	38	0	41	61·1	—	61·5	—
a Clifton	225	79	181920	51	151617	71·9	53 3	62·0	+0·2	2	0·54	14	- 5	Clifton	6·5	—	44	0	49	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	78	18th	41	16th	71·7	49·0	59·7	+1·3	4	0·61	16	+ 1	Worthing	6·0	- 1·2	42	0	49	64·3	+0·3	62·3	+1·3
a Porton	340	80	19th	40	14th	73·0	49·4	60·5	—	2	0·47	12	—	Marlborough	4·9	- 0·9	34	0	35	61·3	—	59·1	—
a Wisley, Surrey	150	81	19th	45	16th	74·1	53·6	63·2	+2·6	3	0·26	7	- 5	Porton	—	—	—	0	33	61·2	—	—	—
h Tunbridge Wells	354	79	18th	47	16th	72·4	55·0	63·2	+2·8	3	0·25	6	- 8	Wisley, Surrey	6·4	0·0	44	0	34	63·9	+1·2	61·3	+1·0
h Margate	51	72	17th	55	16th	68·7	60·0	64·1	+2·2	2	0·04	1	- 10	Tunbridge Wells	6·4	- 0·3	44	0	38	62·9	- 1·7	61·2	—
														Margate	5·9	- 0·5	41	0	49	66·3	+3·6	66·1	+5·9
t Dungeness	21	72	18, 19	50	16th	69·7	58·6	63·8	+2·5	3	0·35	9	- 2	Folkestone	5·5	—	38	0	35	—	—	63·5	—
h St. Leonards	178	79	19th	54	141516	71·9	58·1	64·6	+3·3	4	0·28	7	- 7	St. Leonards	6·2	- 0·9	43	0	49	65·6	—	63·0	—
p Southampton	64	81	18, 19	50	14, 16	72·7	54·7	63·2	+1·2	5	1·14	29	+14	Southampton	5·6	- 1·3	38	0	40	—	—	—	—
a Ventnor	59	79	19th	54	14, 15	70·9	56·7	63·4	+1·3	3	0·92	23	+11	Ventnor	5·9	- 1·0	41	—	—	—	—	—	—
LONDON *a* Richmond (Kew Obs.)	18	81	19th	50	16th	73·8	56·1	64·4	+3·1	3	0·31	8	- 5	Richmond	6·5	+0·3	45	0	41	64·2	+1·9	61·0	+2·0
a Westminster	27	82	19th	49	16th	75·0	57·3	65·6	+3·4	3	0·19	5	- 8	Westminster	6·6	+0·8	45	0	?	—	—	—	—
ag Greenwich	149	82	19th	47	16th	75·7	55·7	65·1	+2·9	3	0·34	9	- 4	Greenwich	6·9	+0·5	48	0	34	—	—	—	—
a Hampstead	450	79	19th	51	16th	72·7	55·3	63·5	—	3	0·65	17	—	Hampstead	6·8	—	47	0	42	—	—	—	—
ag Camden Square	110	84	19th	49	16th	77·3	55·9	66·0	+3.2	2	0·39	10	- 3	Camden Square	—	—	—	0	46	64·2	—	62·2	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	73	19th	46	15th	67·0	50·7	58·4	+0·9	4	1·17	30	+ 7	Aspatria	7·2	+2·1	48	0	42	58·8	- 0·8	56·2	+0·4
p Newton Rigg	559	77	181920	46	14, 16	70·1	47·4	58·1	+1·5	2	0·24	6	- 13	Newton Rigg	7·4	+2·3	49	0	43	—	—	—	—
p Stonyhurst	375	76	18th	49	14, 16	68·9	52·6	60·3	+2·7	4	0·31	8	- 19	Stonyhurst	7·4	+2·5	50	0	45	—	—	—	—
h Blackpool	66	76	19th	49	17, 20	68·7	53·1	60·4	+1·8	2	0·27	7	- 12	Blackpool	8·1	+2·2	55	0	41	60·7	—	57·7	—
h Southport	37	74	18th	49	17, 20	66·4	53·1	59·4	+0·6	1	0·40	10	- 8	Southport	7·2	+1·4	49	0	42	61 8	- 1·2	61·2	0 0
														Hoylake	6·2	+0·6	42	—	—	—	—	—	—
t Liverpool (Bidston)	188	69	18, 19	51	16, 17	65·9	54·0	59·6	+0·3	4	0 62	16	0	Liverpool	5·6	—	38	0	44	—	—	—	—
a Hawarden Bridge	22	78	19th	48	17th	67·6	51·6	59·1	- 1·0	3	0·39	10	- 5	Manchester City	7·1	+3·1	48	0	41	62·4	+1·3	62·8	+3·0
p Manchester (Whit. Pk.)	125	80	18th	46	16th	70·7	53·3	61·5	+1·8	1	0·04	1	- 17	„ Whit. Pk.	7·5	+3·2	50	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	68	18th	49	20th	65·1	53·7	59·1	- 0·6	4	0·17	4	- 12	Llandudno	6·0	+0·2	41	—	—	—	—	—	—
t Holyhead	15	69	18th	52	14th	63·7	55·3	59·3	+0·7	1	0·32	8	- 9	Holyhead	6·9	—	46	0	41	—	—	—	—
a Aberdovey	60	79	18th	54	16th	69·7	57 9	63 5	—	3	0·34	9	—	Aberdovey	7·8	+2·0	53	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
h Aberystwyth	16	80	18th	52	16th	69·6	56·9	62·9	—	1	0·15	4	—
a Rhayader	757	75	18th	44	16th	67·3	48·9	57·6	—	2	0·27	7	—
t Pembroke	149	77	18th	56	14, 15	67·0	57·7	62·1	+3·3	2	0·40	10	- 7
p Cardiff	202	77	18th	50	14th	69·0	54·9	61·5	+1·8	1	0·25	6	-16
b, ENGLAND, S.W.													
h Bath	66	81	18th	48	16th	72·4	53·4	62·3	+2·0	2	0·06	2	-13
a Shaftesbury	722	76	18, 19	48	15th	69·3	51·4	59·8	+0·7	3	0·35	9	- 6
a Arlington	613	76	18th	47	16th	69·0	52·5	60·3	+2·1	2	0·26	7	-20
h Newquay	190	76	18th	53	17th	67·1	57·3	61·9	+1·8	2	1·06	27	+13
a Cullompton	202	81	19th	45	17th	74·3	53·3	63·2	+3·4	1	0·14	4	-12
t Portland Bill	19	73	18, 20	55	16th	67·6	58·0	62·5	+1·8	3	0·20	5	- 6
p Plymouth	116	79	19th	52	15th	71·0	55·6	62·8	+2·2	2	0·42	11	- 5
a Falmouth	167	80	19th	53	15, 17	70·3	56·0	62·7	+2·7	2	0·26	7	-10
9. IRELAND, N.													
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	62	15th	51	17th	60·1	52·9	56·3	- 1·5	3	0·77	20	- 4
a Mallarany	120	68	17th	51	19th	63·9	52·7	58·0	—	3	1·02	26	—
p Markree Castle.. ..	122	72	19th	49	14th	65·4	52·1	58·4	+1·7	4	0·55	14	- 9
b, East .. *p* Armagh.. ..	204	71	19th	51	14th	66·4	53·4	59·5	+2·1	6	0·36	9	-10
t Donaghadee	35	64	16th	48	20th	61·3	52·1	56·4	- 1·1	4	0·39	10	- 8
10. IRELAND, S.													
p Dublin City	54	68	18th	51	20th	64·9	54·9	59·6	+0·3	2	0·28	7	-10
t Birr Castle	175	73	19th	47	15th	67·6	53·0	59·9	+2·1	5	0·93	24	+3
a Kilkenny	195	75	18, 19	48	14, 15	69·1	52·7	60·4	+2·3	3	0·30	8	-11
a Waterford	137	78	19th	50	15th	69·4	53·9	61·2	+2·1	3	0·30	8	-13
p Seskin, Carrick-on-Suir	542	75	19th	49	15th	68·4	52·1	59·8	—	3	0·31	8	—
a Foynes	50	72	19th	52	15th	66·4	54·6	60·2	+1·8	3	0·67	17	- 4
t Cahirciveen (Val. Obs.)	30	70	18th	52	19th	64·9	55·7	60·0	+1·3	3	0·61	16	- 10
a Killarney	174	79	19th	53	15th	69·6	55·3	62·0	+3·1	3	0·63	16	- 8
t Roche's Point	32	76	18th	51	17th	67·1	54·9	60·6	+1·7	6	0·39	10	- 11
11. ENGLISH CHANNEL.													
t Scilly, St. Mary's ..	131	71	18th	56	17th	66·0	57·7	61·6	+0·7	3	0·31	8	- 6
t Jersey, St. Aubins ..	25	74	19th	54	17th	69·3	58·9	63·8	+0·9	2	0·46	12	- 1
a Guernsey (Villa Carey)	180	71	20th	52	17th	68·7	57·4	62·7	+0·3	1	0·55	14	+1

Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
Aberystwyth	8·4	+2·7	57	—	—	—	—	—	—
Rhayader ..	6·7	—	46	0	35	—	—	—	—
Pembroke ..	7·7	+1·4	53	—	—	—	—	—	—
Cardiff ..	6·9	—	47	0	43	61·9	-0·2	60·5	+1·1
Bath	5·3	- 1·2	36	—	—	63·2	-1·2	62·0	+0·3
Shaftesbury ..	—	—	—	—	—	61·0	—	60·2	—
Newquay ..	6·4	- 0·3	44	—	—	63·6	—	60·5	—
Cullompton ..	5·9	- 0·1	40	0	39	61·6	—	—	—
Weymouth ..	6·4	—	44	—	—	—	—	—	—
Plymouth ..	6·0	- 0·6	42	0	45	62·6	-1·2	60·9	—
Falmouth ..	7·5	+0·5	52	0	48	64·2	—	63·7	—
Malin Head ..	—	—	—	—	—	—	—	—	—
Mallarany ..	3·6	—	24	0	45	—	—	—	—
Markree Castle	4·0	- 0·6	27	0	43	60·6	-0·1	57·8	+0·7
Armagh ..	4·1	- 0·6	28	0	37	60·1	-0·9	57·2	-0·9
Trinity Coll.	—	—	—	0	38	60·9	-0·1	58·7	+0·4
Phœnix Park	5·0	- 0·5	34	0	38	—	—	—	—
Dublin City ..	—	—	—	0	47	—	—	—	—
Birr Castle ..	4·5	- 0·3	30	0	40	—	—	—	—
Seskin ..	5·8	—	40	0	42	—	—	—	—
Cahirciveen ..	5·0	- 0·3	34	0	47	—	—	—	—
Ballinacurra	6·6	+1·4	45	—	—	—	—	—	—
Scilly ..	5·6	- 1·7	39	—	—	—	—	—	—
St. Heliers ..	4·0	- 4·0	28	—	—	—	—	—	—
Guernsey† ..	5·4	- 2·7	37	0	45	66·2	+1·8	65·2	+3·2

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, August 20th. 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m/s	day.	hour.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	55	106	7	0	330	10	15	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	99	69	0	330	4	15	12	11	15	12	10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	14	117	37	0	310	7	15	12	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	0	71	97	0	150	5	16	15 16	9	16	15	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	5	71	92	0	160	6	16	16	11	17	21	25
Paisley	188	81	15	—	0	—	0	2	125	41	0	60 310	6	17 20	15 17	12	16	15	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	1	20	147	0	160	6	16	13	10	16	12	40
South Shields	72	61	12	—	0	—	0	2	48	118	0	150	8	16	15	12	16	15	0
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	0	16	4	78	73	13	0	220	12	16	13	15	16	15	55
Shoeburyness	103	90	‡‡	Records Defective.															
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	32	85	51	0	200	8	16	15	13	18	11	35
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	52	95	21	0	—	9	19	24	14	18	10	5
Larkhill, S'y Plain ..	513	63	43	—	0	18	1	78	88	1	0	90	11	18	12	14	18	11	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	19	102	47	0	70	9	19	16	16	19	11 16	30 20
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	20	3	65	90	10	0	330	13	20	24	—	—	—	—
Southport	80	62	48	—	0	20	2	79	76	11	0	320	12	20	24	15	20	23	45
Holyhead	60	40	‡	—	0	20	4	65	90	9	0	320	13	20	24	18	20	23	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	16, 19, 20	9	89	62	8	0	220	14	16	14	18	16	13	50
Plymouth	185	88	‡ 2	—	0	16	1	25	91	41	10	—	12	16	16	18	18	12	15
Lyme Regis	556	61	‡	—	0	—	0	26	107	35	0	—	9	20	7	14	19	8	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27		—	0	—	0	36	102	30	0	300	10	20	23	—	—	—	—
Quilty	100	40		—	0	16	3	49	93	23	0	—	12	16	16	17	16	4	35
Cahirciveen (Val. Obs.) ..	98	41		—	0	20	1	79	62	26	0	10	11	20	19	17	20	19	15
Weaver Pt.	160	30		—	0	20	1	66	87	14	0	—	11	20	19	16	20	18	55
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	49	74	45	0	—	9	20	12 20	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-THIRD WEEK of 1921—August 14th to August 20th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	75	38	89·1	82·0	85·3	− 0·3	85	− 4	0	0	3	− 2	0·44	11	−12	3·3	− 0·7	22	1016
Eastern.																			
1. SCOTLAND, EAST ..	74	33	89·9	81·8	85·7	− 0·5	90	− 6	0	0	4	0	1·05	27	+ 8	3·2	− 1·5	21	1016
2. ENGLAND, N.E. ..	77	41	91·8	84·0	87·7	+ 0·1	115	+ 1	0	0	3	− 1	0·32	8	− 7	4·7	− 0·5	32	1015
3. ENGLAND, EAST ..	82	44	94·9	85·7	90·1	+ 1·4	145	+17	0	0	2	− 1	0·27	7	− 5	7·6	+1·4	52	1014
4. MIDLAND COUNTIES	81	43	94·4	83·8	88·8	+ 0·6	129	+ 8	0	0	2	− 1	0·45	11	− 3	6·0	+0·4	41	1014
5. ENGLAND, S.E. ..	81	40	95·2	85·8	90·2	+ 1·0	147	+13	0	0	3	0	0·46	12	− 1	6·0	− 0·8	41	1014
Western.																			
6. SCOTLAND, WEST ..	77	38	91·9	83.5	87·5	+ 0·7	113	+ 8	0	0	3	− 1	1·14	29	+ 4	—	—	—	1015
7. ENGLAND, N.W. ..	80	46	92·7	84·3	88·3	+ 0·6	123	+ 8	0	0	3	− 1	0·40	10	− 9	7·1	+1·8	48	1015
8. ENGLAND, S.W. ..	81	44	93·9	85·3	89·4	+ 1·1	137	+14	0	0	2	− 2	0·26	7	− 11	6·7	+0·5	46	1014
9. IRELAND NORTH ..	73	47	90·9	84·5	87·5	+ 0·4	113	+ 6	0	0	4	− 1	0·60	15	− 6	4·1	− 0·6	27	1015
10. IRELAND, SOUTH ..	79	47	92·7	85·4	88·8	+ 1·0	130	+14	0	0	4	0	0·51	13	− 8	5·3	0·0	36	1016
11. ENGLISH CHANNEL..	74	52	93·0	87·4	90·1	+ 0·5	145	+ 6	0	0	2	− 2	0·44	11	− 3	5·0	− 2·7	35	1014
MEAN: DISTRICTS 1-10	82	33	92·8	84·4	88·4	+ 0·7	124	+ 8	0	0	3	− 1	0·55	14	− 4	5·6	+0·1	38	1015

THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, May 29th to August 20th, 1921.

0. SCOTLAND, NORTH ..	81	35	88·7	81·9	85·1	0·0	985	− 9	0	− 2	46	− 5	7·46	190	− 32	4·1	− 0·4	24	1015
Eastern																			
1. SCOTLAND, EAST ..	84	29	90·6	81·9	86·0	+ 0·1	1118	+ 9	0	− 1	42	− 2	6·17	157	− 26	5·8	+ 0·4	34	1015
2. ENGLAND, N.E. ..	92	33	92·5	83·7	87·8	+ 0·8	1395	+128	0	0	35	− 4	4·35	112	− 47	6·4	+ 0·5	39	1017
3. ENGLAND, EAST ..	91	33	94·4	84·3	89·0	+ 1·0	1579	+151	0	0	20	−17	1·89	48	− 97	7·4	+ 0·7	46	1017
4. MIDLAND COUNTIES	93	34	95·0	83·8	89·0	+ 1·3	1580	+200	0	0	27	−10	4·11	105	− 54	7·0	+ 1·0	43	1017
5. ENGLAND, S.E. ..	91	32	94·9	84·7	89·4	+ 1·0	1646	+160	0	0	18	−17	1·86	47	− 91	7·8	+ 0·8	49	1018
Western.																			
6. SCOTLAND, WEST ..	82	37	91·3	83·0	86·9	+ 0·5	1325	+129	0	0	40	− 6	10·43	264	+31	—	—	—	1016
7. ENGLAND, N.W. ..	89	35	92·3	84·2	88·0	+ 0·6	1431	+128	0	0	38	− 4	6·49	166	− 32	6·7	+ 0·7	41	1017
8. ENGLAND, S.W. ..	89	35	93·8	84·8	89·0	+ 1·3	1578	+200	0	0	28	−13	4·36	112	− 75	7·6	+ 1·1	47	1018
9. IRELAND, NORTH ..	86	35	91·6	83·7	87·4	+ 0·9	1338	+140	0	0	43	− 9	7·50	189	− 26	5·4	+ 0·4	33	1017
10. IRELAND, SOUTH ..	90	33	93·3	84·7	88·7	+ 1·3	1532	+198	0	0	38	− 6	8·50	218	+ 7	6·5	+ 1·0	40	1018
11. ENGLISH CHANNEL..	87	45	93·5	86·6	89·8	+ 1·4	1701	+205	0	0	25	−14	3·47	89	− 57	8·5	+ 0·7	54	1019
MEAN: DISTRICTS 1-10..	93	29	93·0	83·9	88·1	+ 0·9	1452	+144	0	0	33	− 9	5·57	142	− 41	6·7	+ 0·7	41	1017

THE YEAR. Aggregates, &c., for the Period of 33 Weeks, January 2nd to August 20th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·7	78·1	81·3	+ 0·8	1501	+125	348	−191	143	− 8	31·31	798	+61	3·7	+ 0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·7	77·6	81·5	+ 0·7	1677	+121	451	−166	118	−11	16·03	405	− 58	4·8	+ 0·6	35	1014
2. ENGLAND, N.E. ..	92	22	87·2	79·2	83·0	+ 1·4	2161	+399	250	−222	99	−17	10·23	263	−107	4·9	+ 0·3	37	1016
3. ENGLAND, EAST ..	91	23	88·3	79·6	83·8	+ 1·6	2476	+442	227	−267	76	−36	7·12	182	−169	5·7	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	88·5	79·2	83·6	+ 1·5	2411	+399	253	−269	91	−20	10·31	263	−132	5·1	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	88·7	80·4	84·2	+ 1·4	2573	+416	170	−209	82	−26	7·91	202	−175	5·8	+ 0·6	44	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·1	79·0	82·4	+ 0·8	1957	+247	240	−176	136	0	29·18	740	+67	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	86·9	79·9	83·3	+ 1·2	2168	+323	161	−221	114	− 8	17·51	446	− 57	5·1	+ 0·6	38	1017
8. ENGLAND, S.W. ..	89	22	87·9	80·4	84·0	+ 1·3	2433	+397	131	−170	100	−21	13·83	352	−188	5·6	+ 0·7	42	1019
9. IRELAND, NORTH ..	86	23	86·7	79·7	83·1	+ 1·1	2083	+309	148	−192	135	−14	19·30	488	− 77	4·2	+ 0·2	31	1015
10. IRELAND, SOUTH ..	90	23	87·8	80·4	84·0	+ 1·2	2405	+346	117	−143	127	− 4	20·33	519	− 73	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·1	82·3	85·4	+ 1·5	2754	+432	27	− 78	98	−27	10·28	261	−178	6·3	+ 0·4	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·4	79·5	83·3	+ 1·2	2235	+340	215	−204	108	−16	15·18	386	− 97	5·1	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
26th August, 1921.

METEOROLOGICAL OFFICE LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 34.

THIRTY-FOURTH WEEK.

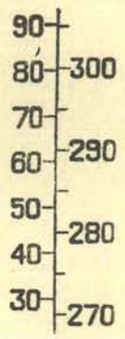
SUNDAY, AUGUST 21ST, TO SATURDAY, AUGUST 27TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the past week was changeable and unsettled; showers of rain, and in some places hail, alternating with bright intervals. Thunderstorms occurred in several places during the early part of the week; on Tuesday the storm over London was accompanied by heavy rain, the measurement at Camden Square being as much as 17mm. in 26 minutes. The prevailing winds were mainly westerly or north-westerly and moderate to strong in force. Mean temperature was again above the normal in most districts. The highest of the maximum temperatures occurred on the 27th, when readings of 299a were registered at Cromer and Yarmouth. The night of the 26th to 27th was decidedly warm over the country generally, at many stations the minima did not descend below 290a. The lowest screen temperatures were recorded on the morning of the 26th, when Marlborough and Porton (Salisbury Plain) had a reading of 276a, while on the same date at the latter station the reading of the grass thermometer was as low as 271a. Rainfall for the week was below the normal in all districts with the exception of Scotland E. and Scotland W., the greatest deficit being –19mm. in Ireland S. The heaviest falls were 30mm. at Yarmouth and 25mm. at Nottingham on the 21st., 27mm. at Stonyhurst and 25mm. at Marchmont on the 22nd, and 26mm. at Ford (Argyll) on the 26th. The daily mean of bright sunshine for the week was below the normal at every station except Ballinacurra (Co. Cork) which was exactly normal. The greatest mean departure from the normal was –4·3 hours at Bath. Over England generally the sunniest day was the 26th. when records of between 11 and 12 hours were obtained at a large number of stations; the largest amounts were 12·2 hours at Eastbourne and Worthing and 12·0 at St. Leonards. A solar halo and also a lunar halo were observed at Oxford on the 22nd.

The mean temperature for the summer season (13 weeks from May 29th), as will be seen from the table on p. 136, has been above the normal in all parts of the British Isles with the exception of Scotland N. and E., which were normal. Rainfall for the same period was decidedly less than the normal except in Scotland W., while sunshine was in excess of the normal in all districts except Scotland N.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	7	3·4	9	2·4	5	2·6	8	3·2	8	5·8	6	1·6	9	3·1	9	4·1
North	15	2·9	7	4·0	19	2·6	12	2·2	16	5·0	19	5·3	11	3·9	16	5·2
West	14	4·1	17	5·7	17	2·8	13	3·1	22	4·2	17	4·7	25	5·5	20	4·1
East	10	3·8	5	2·7	3	1·8	5	0·9	1	1·0	2	0·5	0	0·0	3	0·9
Calm	3	—	6	—	4	—	8	—	2	—	0	—	1	—	2	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ..	Moderate	Moderate	Moderate	Light	Light	Light	Moderate	Light	Light	Moderate	Very Light	Moderate
Sunshine ..	Moderate	Scanty	Scanty	Scanty	Scanty	Very Scanty	—	Scanty	Very Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 13 weeks from May 29th, 1921. Warmth ..	3, 7, 3	3, 7, 3	8, 3, 2	7, 5, 1	10, 2, 1	7, 4, 2	5, 7, 1	6, 6, 1	9, 3, 1	6, 5, 2	7, 4, 2	10, 2, 1
Rainfall ..	3, 5, 5	2, 6, 5	2, 4, 7	0, 5, 8	2, 3, 8	0, 5, 8	4, 5, 4	2, 3, 8	1, 3, 9	3, 3, 7	2, 3, 8	1, 7, 5
Sunshine ..	5, 5, 3	5, 3, 5	3, 8, 2	4, 8, 1	6, 4, 3	6, 6, 1	—	6, 2, 5	6, 4, 3	4, 5, 4	6, 3, 4	4, 5, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	62	23rd	45	27th	55·4	47·9	51·4	- 1·0	4	0 98	25	+ 9										
p Deerness, Orkney	165	57	23, 24	46	26th	55·6	48·9	52·1	- 1·1	7	1·13	29	+13	Deerness	3·3	- 0·6	22	—	—	—	—	—	—
a, Islands t Stornoway	51	61	22nd	45	25, 26	57·9	48·1	52·7	- 1·3	5	0·95	24	+ 2	Stornoway	3·0	- 1·4	20	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
					26 h																		
t Wick	81	59	25, 26	43	26th	57·4	47·4	52·1	- 1·8	6	0 24	6	- 9										
a Strathpeffer	125	71	23rd	47	27th	62·4	50·1	55·9	+0·4	3	0·12	3	- 11										
b, Main- p Glencarron	500	63	22, 23	44	26th	58·7	49·1	53·6	- 0·3	4	1·20	30	- 9										
land. a Fort Augustus	68	73	23rd	48	26, 27	62·9	50·6	56·4	+0·9	5	0·31	8	- 11										
p Fort William	171	71	23rd	47	27th	63·1	50·4	56·4	+0·4	5	1·21	31	- 3										
1. SCOTLAND, E.																							
t Nairn	82	68	23, 24	45	26th	60 9	49·6	54·9	- 0·7	5	0·22	6	- 8	Nairn	3·3	—	22	—	—	—	—	—	—
p Gordon Castle	101	66	23rd	47	26th	61·1	50·9	55·7	- 0·1	6	0·26	7	- 11	Gordon Castle	3·3	—	22	—	—	—	—	—	—
t Aberdeen	46	64	25th	47	26th	61·4	52·3	56·6	+0·9	3	0·49	12	- 3	Aberdeen	2·4	- 2·4	16	0	35	—	—	54·6	+0·4
a Balmoral	930	68	23rd	45	26, 27	60·7	47·4	53·7	+0·8	4	0·27	7	- 10	Balmoral	—	—	—	0	37	—	—	—	—
p Crieff	432	72	23rd	43	26th	64·1	49·9	56·6	0·0	6	0·62	16	- 7	Crathes	2·6	- 1·8	18	0	34	55·8	- 1·7	52·1	- 3·0
a Dundee	244	68	22nd	40	26th	64·0	49·6	56·4	- 0·2	5	0·98	25	+ 7	Dundee	3·9	—	27	0	32	57·7	—	—	—
														Inchkeith (F. of Forth)	—	—	—	0	47	—	—	—	—
t Inchkeith (F. of Forth)	190	62	23rd	50	26th	59·6	53·1	56·2	—	5	1·04	27	—										
p Edinburgh	441	63	23rd	47	27th	60·4	50·7	55·3	- 0·8	4	1·33	34	+19	Edinburgh	3·1	- 1·6	22	0	44	—	—	—	—
a West Linton	769	63	23rd	43	26th	59·0	48·7	53·5	+0·3	6	1·61	41	—	West Linton	—	—	—	0	39	—	—	—	—
a Marchmont	498	—	—	45	23rd	—	50·0	—	—	5	1·68	43	+25	Marchmont	2·3	- 2·4	16	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	67	22, 23	49	26th	62·8	50·7	56·4	—	6	1·54	39	—	Ford (Argyll)	—	—	—	0	43	60·1	—	57·4	—
p Rothesay	200	66	23rd	48	27th	62·0	51·1	56·2	- 0·2	6	1·33	34	+ 5	Rothesay	2·9	—	20	0	44	58 7	—	57·0	+1·1
a Kilmarnock	90	67	23, 24	48	26th	63·4	51·9	57·3	+1·9	5	1·36	35	+10	Kilmarnock	3·4	—	24	—	—	58·2	—	55·8	—
a Colmonell	170	66	22nd	51	212326	62·1	52·6	57·1	+1·6	5	1·04	26	+ 2	Colmonell	—	—	—	0	46	—	—	—	—
t Renfrew	49	71	23rd	49	21st	63·1	52·3	57·4	—	5	1 32	34	—	Renfrew	3·5	—	24	0	45	—	—	—	—
p Dumfries	160	71	23rd	38	26th	64·6	52·0	57·9	+0·8	3	0·76	19	- 3	Dumfries	3·0	—	21	0	36	60·9	+1·0	57·8	- 1·5
t Eskdalemuir	794	66	23rd	40	26th	60·6	49·7	54·8	—	4	1·41	36	—	Eskdalemuir	2·5	—	17	0	35	—	—	—	—
b, I. OF MAN h Douglas	284	66	22nd	50	26th	62·3	53·0	57·4	+0 8	5	0·32	8	- 15	Douglas	4·9	- 0·6	34	0	47	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	65	23, 25	45	26th	62·6	53·1	57·6	+1·2	3	1·28	33	+12	Cockle Park	3·0	- 1·7	21	1	30	57·4	+1·0	55·8	+0·2
t Tynemouth	118	65	26th	48	26th	61·1	53·3	57·0	+0·1	6	0·67	17	- 1										
p Durham	336	69	25th	43	26th	64·9	51·9	58·0	+1·0	4	0·67	17	+ 1	Durham	2·6	- 1·8	18	0	32	—	—	—	—
a North p Rounton	249	67	25th	44	26th	64·1	52·6	58·0	+1·5	5	0·43	11	- 7	Rounton	—	—	—	0	43	59·9	—	—	—
a West Witton	605	68	21st	46	26th	65·0	53·7	59·0	—	4	1·03	26	—	West Witton	—	—	—	0	38	60·9	—	56·0	—
h Scarborough	118	69	27th	48	26th	64·6	56·1	60·1	+1·8	3	0·14	4	- 14	Scarborough †	3·7	- 1·3	26	—	—	—	—	60·0	—
p York	56	70	27th	49	26th	68·0	54·6	60·9	+2·2	3	0·09	2	- 14	York	3·3	- 1·1	23	—	—	61·9	+2·4	58·9	+1·3
t Spurn Head	26	70	27th	53	26th	65·7	56·0	60·6	+1·5	1	0 08	2	- 12										
b, South a Lincoln	58	75	27th	48	26th	69·1	55·7	62·0	+2·7	0	0·00	0	- 16	Lincoln	—	—	—	0	45	62·1	+1·7	60·1	+1·9
t Cranwell	237	73	27th	48	26th	67·1	55·1	60·7	+1·5	1	0·43	11	- 6	Cranwell	4·4	- 1·1	31	0	42	—	—	—	—
														Skegness	4·4	- 1·3	31	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	78	27th	49	26th	67·4	55·6	61·2	+1·6	2	0·40	10	- 3	Cromer	4·0	- 1·6	28	—	—	—	—	—	—
a Little Massingham	277	76	27th	47	26th	66·7	55·9	61·0	+1·8	1	0·06	2	- 16	Lit Massingham	3·7	- 1·6	26	—	—	—	—	—	—
t Yarmouth	13	78	27th	48	26th	68·6	57·1	62·5	+2·8	2	1·22	31	+15	Yarmouth	4·5	—	31	0	46	64·7	+1·5	61 9	+0·6
a Norwich	93	77	27th	48	26th	69·3	56·3	62·4	+2·6	2	0·38	10	- 6	Norwich	3·8	—	27	0	45	63·7	—	—	—
a Geldeston	37	77	27th	45	26th	70·3	53 1	61·2	+1·6	2	0·24	6	- 8	Geldeston	4·4	- 1·2	31	—	—	—	—	—	—
p Cambridge	41	74	26th	45	26th	68·6	54·6	61·2	+1·1	2	0·06	2	- 13	Cambridge	3·1	- 2·5	22	0	37	63·8	+1·8	61·9	+1·6
t Clacton-on-Sea	54	74	27th	48	28th	68·7	56·9	62·5	+2·0	1	0·07	2	- 10	Clacton-on-Sea	3·7	- 2·6	26	0	43	63·3	+1·9	62·0	+1·7
a Rothamsted	420	73	27th	46	26th	67·6	54·0	60·4	+1·5	1	0·25	6	- 10	Rothamsted	2·6	- 2·9	18	0	38	61·0	—	—	—
p Tottenham	51	75	27th	52	23, 26	71·3	56·9	63·7	—	1	0·06	2	—	Tottenham	2·3	—	16	0	49	—	—	66·2	+4·4
														Southend	3·0	—	21	—	—	—	—	—	—
4. MIDLAND COUNTIES.																							
a North h Harrogate	479	67	22, 25	46	26th	64·9	53·3	58·8	+1·9	3	0·33	8	- 10	Harrogate	3·1	- 1·9	22	0	38	59·0	+1·9	57·6	+1·3
p Sheffield	429	70	27th	52	26th	67·4	56·3	61·5	—	1	0·02	1	—	Sheffield	3·3	- 1·6	23	0	42	59·9	+1·3	57·8	+1·7
h Buxton	987	—	—	—	—	—	+	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
a Worksop	56	73	27th	48	26th	70·1	55·1	62·2	+3·6	1	0 09	2	- 13	Worksop	3·3	- 1·2	23	0	39	62·6	—	59·6	—
t Nottingham	82	73	27th	47	26th	68 3	55·9	61·7	+2·8	3	0 99	25	+ 9	Nottingham	3·5	- 1·6	25	0	43	61·9	+2·2	61·5	+2·3
b, East p Birmingham, Edgbsn.	525	74	27th	49	26th	67·6	54·1	60·5	+1·8	1	0·69	18	+ 1	Birmingham	2·1	- 2·3	15	0	43	57·7	+1·1	55·1	+1·3
a Raunds	203	76	27th	44	26th	68·7	54·9	61·4	+1·6	1	0·30	8	- 9	Raunds	3·0	—	21	0	39	63·6	—	—	—
p Oxford	208	72	27th	47	26th	69·7	54·7	61·8	+1·8	0	0·00	0	- 15	Oxford	2·6	- 3·1	18	0	41	—	—	—	—
														Malvern	3·0	—	21	0	45	62·6	—	61·7	—
a Cheadle (N. Staffs.)	646	73	27th	48	26th	67·0	52·0	59·1	+1·9	1	0·13	3	- 19	Cheadle	—	—	—	0	47	—	—	—	—
c, West p Tenbury	313	73	27th	45	26th	69·1	52·7	60·4	+2·3	1	0·24	6	- 12	Tenbury	—	—	—	0	41	62·0	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	2·9	—	20	0	39	62·8	—	61·5	—
a Clifton	225	73	23rd	50	26th	68·9	55 3	61·7	+0·6	3	0·30	8	- 15	Clifton	3·1	—	21	0	48	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	70	25th	37	26th	67·0	51·0	58·5	+0 8	2	0·02	0·4	- 17	Worthing	4·1	- 2·6	29	0	43	63·8	+0·6	62·1	+1·1
a Rorton	340	72	24th	37	26th	69·3	50·3	59·2	—	0	0·00	0	—	Marlborough	2·0	- 3·3	14	0	33	61·5	—	59·0	—
a Wisley, Surrey	150	75	26, 27	44	26th	70·3	53·7	61·5	+1·7	1	0·01	0·3	- 14	Porton	—	—	—	1	29	62·3	—	—	—
h Tunbridge Wells	354	72	25th	45	26th	66·7	53·1	59·5	- 0·3	1	0·30	8	- 7	Wisley, Surrey	2·7	- 3·1	19	0	31	63·6	+1·8	60·9	+0·7
h Margate	51	73	27th	57	26th	68·1	58·3	62·9	+1·5	2	0·10	3	- 10	Tunbridge Wells	2·4	- 3·8	17	0	34	62·3	- 0·9	61·1	—
														Margate	2·7	- 3·2	19	0	52	65·9	+3·6	65·7	+5·4
t Dungeness	21	70	25th	48	26th	67·0	55·7	61·0	+0·2	2	0·03	1	- 12	Folkestone	3·7	—	26	0	35	—	—	63·1	—
h St. Leonards	178	71	25th	50	26th	66·7	56·3	61·2	+0·4	5	0·18	5	- 10	St. Leonards	2·7	- 3·9	19	0	45	64·9	—	62·9	—
p Southampton	64	72	24th	47	26th	69·9	55·4	62·2	+0·7	1	0·06	2	- 15	Southampton	4·0	- 2·3	28	0	37	—	—	—	—
a Ventnor	59	69	24, 25	53	26th	67·0	56·6	61·5	- 0·2	2	0·93	24	+10	Ventnor	3·7	- 2·7	26	—	—	—	—	—	—
LONDON a Richmond (Kew Obs.)	18	73	222627	49	26th	69·2	54·1	61·2	+0·7	1	0·18	5	- 9	Richmond	2·3	- 3·4	16	0	39	63·1	+1·6	60·8	+1·8
a Westminster	27	75	27th	49	26th	70·0	56·6	62·9	+1·4	2	0·23	6	- 8	Westminster	2·2	- 2·9	16	0	43	—	—	—	—
ag Greenwich	149	77	26, 27	46	26th	72·3	54·9	63·1	+1·6	1	0·03	1	- 13	Greenwich	2·7	- 3·1	19	0	31	—	—	—	—
a Hampstead	450	72	27th	48	26th	68·7	55·0	61·4	—	1	0·57	14	—	Hampstead	2·3	—	16	0	39	—	—	—	—
ag Camden Square	110	75	222627	48	26th	71·0	55·7	62·9	+0.9	1	0·74	19	+ 5	Camden Square	—	—	—	0	47	63·8	—	61·9	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	67	22, 23	47	26th	62·6	50·9	56·4	- 0·7	3	0·69	18	- 10	Aspatria	3·0	- 1·9	21	0	43	59·4	+0·3	56·5	+0·7
p Newton Rigg	559	69	23rd	46	26th	64·7	51·0	57·4	+1·3	5	1·40	36	+13	Newton Rigg	2·6	- 2·2	18	0	41	—	—	—	—
p Stonyhurst	375	68	22, 23	48	26th	64·7	54·9	59·5	+2·3	3	1·37	35	+ 2	Stonyhurst	2·8	- 1·9	20	0	42	—	—	—	—
h Blackpool	66	68	22nd	54	26th	64·3	57·0	60·4	+2·2	4	0·25	6	- 18	Blackpool	3·1	- 2·5	22	0	42	61·3	—	57·7	—
h Southport	37	66	23rd	55	26th	63·3	57·4	60·2	+1·8	3	0·07	2	- 21	Southport	2·3	- 3·1	16	0	50	62·9	+1·0	61·4	+0·5
														Hoylake	2·1	- 3·2	14	—	—	—	—	—	—
t Liverpool (Bidston)	188	67	27th	54	21, 26	63·3	55 9	59·4	+0·5	4	0·10	3	- 17	Liverpool	1·9	—	13	0	46	—	—	—	—
a Hawarden Bridge	22	71	27th	53	23rd	66·3	55·6	60·6	+1·0	3	0·09	2	- 16	Manchester City	1·9	- 2·0	13	0	50	63·1	+3·0	62·4	+2·5
p Manchester (Whit. Pk.)	125	69	222326	49	26th	66·7	54·7	60·3	+1·0	3	0·11	3	- 19	„ Whit. Pk.	1·5	- 2·5	10	--	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	68	27th	51	23rd	63·7	55·1	59·1	- 0·3	3	0·06	2	- 18	Llandudno	3·1	- 2·5	21	—	—	—	—	—	—
t Holyhead	15	64	23rd	53	26th	62·3	55·1	58·5	+0·1	3	0·07	2	- 19	Holyhead	2·9	—	20	0	48	—	—	—	—
a Aberdovey	60	72	23rd	54	22, 26	65·7	56 0	60 6	—	5	0·22	6	—	Aberdovey	3·8	- 1 8	27	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters a and p retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, p for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "a" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.					°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	68	23rd	50	26th	64·3	55·6	59·7	—	4	0·17	4	—	Aberystwyth	Hr. 2·6	Hr. - 2·9	% 18	—	—	—	—	—	—
a Rhayader	757	68	23rd	42	26th	64·1	50·6	57·0	—	5	0·26	7	—	Rhayader ..	2·9	—	20	0	31	—	—	—	—
t Pembroke	149	65	23rd	53	21, 22	61·9	55·1	58·3	- 0·5	4	0·11	3	-18	Pembroke ..	3·0	- 3·0	21	—	—	—	—	—	—
p Cardiff	202	72	23rd	48	26th	67·1	54·4	60·4	+0·8	2	0·26	7	-20	Cardiff ..	3·4	—	24	0	41	62·4	+1·0	60·4	+1·0
b, ENGLAND, S.W.																							
h Bath	66	74	23rd	43	26th	70·0	53·0	61·0	+1·2	1	0·01	0·3	-18	Bath	1·8	- 4·3	12	—	—	63·9	+0·7	62·2	+0·5
a Shaftesbury	722	—	—	—	—	—	—	—	—	—	—	—	—	Shaftesbury ..	—	—	—	—	—	—	—	—	—
a Arlington	613	70	23rd	45	26th	63·4	52·7	57·7	- 0·2	6	0·58	15	-18										
h Newquay	190	65	27th	50	22nd	62·7	56·0	59·2	- 0·7	3	0·75	19	+1	Newquay ..	2·4	- 3·9	17	—	—	62·7	—	60·5	—
a Cullompton	202	75	23rd	43	26th	69·9	49·4	59·0	- 0·4	1	0·01	0 2	-19	Cullompton ..	3·5	- 2·2	25	0	36	63·1	—	—	—
t Portland Bill	19	70	21st	56	26th	66·3	58·0	61·9	+1·3	4	0·24	6	- 8	Weymouth ..	4·9	—	35	—	—	—	—	—	—
p Plymouth	116	73	23rd	48	23rd	65·4	53·3	59·0	- 1·3	3	0·59	15	- 4	Plymouth ..	4·2	- 2·0	30	0	43	62·2	-0·7	60·8	—
a Falmouth	167	68	24th	48	22nd	64·6	54·4	59·2	- 0·6	4	1·16	29	+7	Falmouth ..	3·3	- 3·3	23	0	41	63·0	—	64·0	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	62	25th	52	21,23-5	59·3	52·7	55·8	- 1·5	5	0·81	21	- 7										
a, West .. *a* Mallarany ..	120	64	25th	48	22nd	61·1	51·6	56·1	—	4	1·32	34	—	Mallarany ..	3·8	—	27	0	43	—	—	—	—
p Markree Castle.. ..	122	69	24th	48	27th	62·7	50·7	56·3	+0·3	5	0·91	23	- 3	Markree Castle	2·5	- 1·7	17	0	42	60·2	+0·1	58·0	+0·8
p Armagh.. ..	204	66	24th	47	27th	62·4	50·9	56·3	- 0·3	3	0·65	16	- 5	Armagh ..	2·5	- 1·7	17	0	40	60·1	0·0	57·7	-0·3
b, East .. *t* Donaghadee	35	65	24, 25	48	26th	61·9	52·7	57·0	+0·1	4	0·98	25	+5										
														Trinity Coll.	—	—	—	0	35	60·5	+0·1	58·6	+0·3
10. IRELAND, S.														Phœnix Park	2·8	- 2·3	20	0	41	—	—	—	—
p Dublin City	54	67	26, 27	50	21st	63·4	53·7	58·3	- 0·6	5	0·41	10	-10	Dublin City ..	—	—	—	0	44	—	—	—	—
t Birr Castle	175	66	26th	45	24th	63·0	51·4	56·9	- 0·5	4	0·24	6	-18	Birr Castle ..	2·6	- 1·9	18	0	38	—	—	—	—
a Kilkenny	195	71	27th	48	21st	65·3	52·7	58·6	+0·8	3	0·10	3	-20										
a Waterford	137	69	26, 27	50	21st	65·1	54·3	59 4	+0·7	1	0·09	2	-23										
p Seskin, Carrick-on-Suir	542	70	26, 27	47	21st	65·1	51·7	58·0	—	3	0·63	16	—	Seskin ..	4·4	—	31	0	42	—	—	—	—
a Foynes	50	67	26th	47	24th	63·9	53·6	58·4	+0·3	4	0·35	9	-16										
t Cahirciveen (Val. Obs.)	30	65	27th	48	24th	61·1	53·7	57·2	- 1·4	5	0·40	10	-23	Cahirciveen ..	2·3	- 2·6	16	0	41	—	—	—	—
a Killarney	174	69	25, 26	50	24th	65·5	54·9	59·9	+1·3	4	0·10	3	-27	Ballinacurra	4·8	0·0	34	—	—	—	—	—	—
t Roche's Point	32	70	26th	51	24th	66·4	55·6	60·7	+2·0	3	0·06	2	-23										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	66	23,25-6	50	22nd	64·6	56·1	60·1	- 0·5	3	0·51	13	- 3	Scilly ..	3·9	- 2·9	28	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	67	24,26-7	48	24th	66·3	55·4	60·5	- 2·1	2	0·17	4	-11	St. Heliers ..	5·3	- 2·2	38	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	68	22-24, 26, 27	52	24th	67·4	54·8	60·7	- 1·5	3	0·41	11	- 5	Guernsey† ..	6·5	- 1·0	47	0	43	64·8	+1·0	64·9	+2·7

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, August 27th. 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	More than 17 m/s. or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	Mid Time. hour.	Highest Gust. Speed	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	0	26	1	57	98	12	0	160	12	26	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	66	101	0	290	6	27	3	16	27	3	15
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	16	123	29	0	270	9	27	3	—	—	—	—
Edinburgh	485	39	31	—	0	26, 27	9	50	68	41	0	250	14	26	24	26	27	2	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	26, 27	11	55	48	54	0	260	15	27	15	25	27	2	30
Paisley	188	81	15	—	0	—	0	33	105	30	0	280	9	27	6	21	26	23	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	Defective Records.															
South Shields	72	61	12	—	0	—	0	20	101	47	0	360	8	21	8	13	25	13	0
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	26	113	29	0	280	9	27	9	14	27	9	5
Shoeburyness	103	90	‡	Defective Records.															
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	15	105	48	0	250	6	27	15	11	27	1	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	43	82	43	0	—	8	27	2	12	27	2	50
Larkhill	513	63	43	—	0	—	0	83	78	7	0	50	9	23	11	12	23	11	20
												270		27	1	†	27	0	45
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	16	82	70	0	240	6	27	8	13	26	14	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	21, 25 to 27	19	65	67	17	0	280	15	27	5	—	—	—	—
Southport	80	62	48	—	0	21, 25 to 27	25	79	59	5	0	230	17	27	2	23	27	23	15
Holyhead	60	40	‡	—	0	21, 25 to 27	24	87	49	8	0	310	14	21	7	21	27	18	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	21, 27	21	98	37	12	0	360	15	21	3	21	21	3	0
Plymouth	185	88	2	—	0	—	0	53	81	21	13	—	11	21	10	17	21	10	30
Lyme Regis	556	61	‡	—	0	—	0	16	94	58	0	—	8	21	8	14	21	10	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	21, 25 to 27	5	78	82	3	0	230	13	26	24	—	—	—	—
Quilty	100	40	‡	—	0	21, 26, 27	18	65	73	12	0	—	13	27	15	19	27	16	20
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	21. 22, 27	7	78	67	16	0	220	12	27	17	18	27	16	55
Weaver Pt.	160	30	‡	—	0	21, 27	4	101	62	1	0	—	12	21	6	18	27	15	15
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	21	10	80	75	3	0	—	13	21	12	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

† Also on 25th at 12h. 10m.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884. and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values. will be given in the Introduction to the Annual Volume.

THIRTY-FOURTH WEEK of 1921—August 21st to August 27th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station Highest	Temperature of the Air. At any "D.-V." Station Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean	Means of Deviation from Normal	Accumulated Number of Day-Degrees Above 42°	Accumulated Number of Day-Degrees Deviation from Normal	Accumulated Number of Day-Degrees Below 42°	Accumulated Number of Day-Degrees Deviation from Normal	Rainfall. Number of Days of Precipitation	Rainfall. Deviation from Normal	Rainfall. Total Fall	Rainfall. Deviation from Normal	Sunshine Daily Mean	Sunshine Deviation from Normal	Sunshine Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	73	43	88·4	82·5	85·3	− 0·1	85	− 2	0	0	5	0	0·72	18	− 5	3·1	− 0·6	21	1012
Eastern.																			
1. SCOTLAND, EAST ..	72	43	89·1	83·2	85·9	− 0·2	93	− 2	0	0	5	+ 1	0·78	20	+ 3	2·9	− 1·7	20	1013
2. ENGLAND, N.E. ..	75	43	91·4	85·4	88·2	+ 0·9	122	+11	0	0	3	− 1	0·42	11	− 6	3·6	− 1·3	25	1013
3. ENGLAND, EAST ..	78	45	93·4	86·1	89·6	+ 1·2	139	+15	0	0	2	− 2	0·31	8	− 6	3·5	− 2·1	25	1014
4. MIDLAND COUNTIES	76	44	93·2	85·3	89·0	+ 1·2	132	+16	0	0	2	− 2	0·34	9	− 8	3·0	− 2·2	21	1014
5. ENGLAND, S.E. ..	75	37	93·1	85·5	89·1	+ 0·3	132	+ 1	0	0	2	− 2	0·18	5	− 10	3·0	− 3·2	21	1014
Western.																			
6. SCOTLAND, WEST ..	71	48	90·2	84·1	86·9	+ 0·4	106	+ 5	0	0	5	0	1·10	28	+ 2	—	—	—	1013
7. ENGLAND, N.W. ..	71	46	90·9	85·5	88·1	+ 0·6	120	+ 7	0	0	3	− 1	0·45	12	− 12	2·9	− 2·1	20	1014
8. ENGLAND, S.W. ..	75	42	91·8	84·9	88·2	+ 0·1	121	0	0	0	3	− 1	0·36	9	− 13	2·9	− 2·9	21	1016
9. IRELAND NORTH ..	69	45	89·6	83·9	86·6	− 0·1	102	− 1	0	0	4	− 1	0·72	18	− 5	2·5	− 1·7	17	1015
10. IRELAND, SOUTH ..	71	45	90·9	85·1	87·8	+ 0·2	117	+ 3	0	0	4	− 1	0·22	6	− 19	3·1	− 1·7	22	1018
11. ENGLISH CHANNEL	68	48	91·9	86·0	88·8	− 0·6	129	− 8	0	0	3	− 1	0·36	9	− 7	5·2	− 2·0	37	1017
MEAN: DISTRICTS 1-10	78	37	91·4	85·0	87·9	+ 0·5	118	+ 6	0	0	3	− 1	0·49	13	− 7	3·0	− 2·1	21	1014

THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, May 29th to August 27th, 1921.

0. SCOTLAND, NORTH ..	81	35	88·7	81·9	85·1	0·0	1070	− 11	0	− 2	51	− 5	8·18	208	− 37	4·1	−0·3	24	1015
Eastern																			
1. SCOTLAND, EAST ..	84	29	90·5	82·0	85·9	0·0	1211	+ 7	0	− 1	47	− 1	6·95	177	− 23	5·5	+ 0·1	33	1015
2. ENGLAND, N.E. ..	92	33	92·4	83·8	87·8	+ 0·8	1517	+139	0	0	38	− 5	4·77	123	− 53	6·2	+ 0·4	38	1017
3. ENGLAND, EAST ..	91	33	94·3	84·4	89·1	+ 1·1	1718	+166	0	0	22	−19	2·20	56	−103	7·1	+ 0·5	44	1017
4. MIDLAND COUNTIES	93	34	94·9	83·9	89·0	+ 1·3	1712	+216	0	0	29	−12	4·45	114	− 62	6·7	+ 0·8	42	1017
5. ENGLAND, S.E. ..	91	32	94·8	84·7	89·4	+ 1·0	1778	+161	0	0	20	−19	2·04	52	−101	7·4	+ 0·5	47	1017
Western.																			
6. SCOTLAND, WEST ..	82	37	91·2	83·1	86·9	+ 0·5	1431	+134	0	0	45	− 6	11·53	292	+33	—	—	—	1016
7. ENGLAND, N.W. ..	89	35	92·2	84·3	88·0	+ 0·6	1551	+135	0	0	41	− 5	6·94	178	− 44	6·4	+ 0·4	40	1017
8. ENGLAND, S.W. ..	89	35	93·7	84·8	88·9	+ 1·2	1699	+200	0	0	31	−14	4·72	121	− 88	7·2	+ 0·7	46	1018
9. IRELAND, NORTH ..	86	35	91·5	83·7	87·3	+ 0·8	1440	+139	0	0	47	−10	8·22	207	− 31	5·1	+ 0·2	31	1016
10. IRELAND, SOUTH ..	90	33	93·1	84·7	88·6	+ 1·2	1649	+201	0	0	42	− 7	8·72	224	− 12	6·3	+ 0·8	39	1018
11. ENGLISH CHANNEL..	87	45	93·4	86·5	89·7	+ 1·2	1830	+197	0	0	28	−15	3·83	98	− 64	8·2	+ 0·4	53	1018
MEAN: DISTRICTS 1-10..	93	29	92·9	83·9	88·1	+ 0·9	1571	+150	0	0	36	−10	6·05	154	− 48	6·4	+ 0·5	40	1017

THE YEAR. Aggregates, &c., for the Period of 34 Weeks, January 2nd to August 27th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·8	78·2	81·4	+ 0·7	1586	+123	348	−191	148	− 8	32·03	816	+56	3·7	+ 0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·8	77·8	81·6	+ 0·6	1770	+119	451	−166	123	−10	16·81	425	− 55	4·7	+ 0·5	34	1014
2. ENGLAND, N.E. ..	92	22	87·3	79·4	83·2	+ 1·4	2283	+410	250	−222	102	−18	10·65	274	−113	4·9	+ 0·3	36	1016
3. ENGLAND, EAST ..	91	23	88·5	79·8	84·0	+ 1·6	2615	+457	227	−267	78	−38	7·43	190	−175	5·7	+ 0·7	42	1018
4. MIDLAND COUNTIES	93	23	88·6	79·4	83·8	+ 1·5	2543	+415	253	−269	93	−22	10·65	272	−140	5·0	+ 0·5	37	1018
5. ENGLAND, S.E. ..	91	21	88·8	80·6	84·3	+ 1·3	2705	+417	170	−209	84	−28	8·09	207	−185	5·7	+ 0·5	43	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·3	79·2	82·6	+ 0·8	2063	+252	240	−176	141	0	30·28	768	+69	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·0	80·1	83·4	+ 1·2	2288	+330	161	−221	117	− 9	17·96	458	− 69	5·0	+ 0·4	37	1017
8. ENGLAND, S.W. ..	89	22	88·1	80·5	84·1	+ 1·3	2554	+397	131	−170	103	−22	14·17	361	−201	5·6	+ 0·6	42	1019
9. IRELAND, NORTH ..	86	23	86·8	79·9	83·2	+ 1·1	2185	+308	148	−192	139	−15	20·02	506	− 82	4·1	0·0	31	1015
10. IRELAND, SOUTH ..	90	23	87·9	80·6	84·1	+ 1·1	2522	+349	117	−143	131	− 5	20·55	525	− 92	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·2	82·4	85·5	+ 1·5	2883	+424	27	− 78	101	−28	10·64	270	−185	6·3	+ 0·4	47	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·5	79·7	83·4	+ 1·2	2353	+345	215	−204	111	−17	15·66	399	−104	5·0	+ 0·4	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
2nd September, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 35.

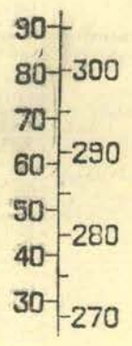
THIRTY-FIFTH WEEK.

SUNDAY, AUGUST 28TH, TO SATURDAY, SEPTEMBER 3RD, 1921.

Price 6d. Net. Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again of a very unsettled character. At the beginning of the period the northern and eastern parts of the British Isles were affected by a shallow depression off the north-west of Ireland, which moved eastwards, causing thunderstorms and heavy rain at a large number of stations. Towards the close of the week there was a decided improvement due to the anticyclone which covered the southern parts of the kingdom. Mean temperature for the week was just equal to the normal in England S.E., above the normal in England E. and the English Channel, but below in all other districts. The highest of the maximum temperatures occurred either on August 28th or September 1st, when readings of 298a were registered at a few stations in the south-eastern parts of England, including London. The lowest minima were recorded on the 30th or 31st, the absolute lowest being at Balmoral and West Linton, at both of which the thermometer in the screen went down to 272a. Ground frosts were recorded at a number of stations on the same dates; the lowest readings were 269a at Aberdeen and 270a at Balmoral, Porton (Salisbury Plain) and Wisley (Surrey). Rainfall for the week was below the normal in most districts, especially in the south-eastern and south-western parts of England, where at a few stations the week was rainless. Amongst the heaviest falls reported were 40mm. at Sheffield and 32mm. at Buxton and also Cheadle (Staffs) on the 28th, 44mm. at Tynemouth and 35mm. at Cockle Park (Morpeth) on the 29th and 32mm. at Stornoway on September 3rd. Bright sunshine varied a good deal in different parts of the country; the brightest days of the week were mostly the 29th and 30th when between 11 and 12 hours were recorded in several places, the largest amounts were 13·0 hours at Hoylake, 12·7 hours at Southport, 12·5 hours at Durham, and 12·2 at Blackpool on the 30th. The mean departure from the normal ranged from +2·0 hours at St. Leonard's to −2·5 hours at Falmouth. Solar halos were observed at Greenwich and Ross-on-Wye on September 1st, at Aberdeen on the 2nd and at Oxford on each of the five days August 29th to September 2nd inclusive.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	5	3·7	—	—	8	4·1	13	2·7	12	4·4	9	3·7	21	3·0	13	4·2
North	19	3·1	—	—	13	3·2	6	1·4	15	3·2	7	2·4	4	2·6	10	2·4
West	19	5·7	—	—	21	3·3	21	2·4	21	4·3	15	3·8	18	5·0	13	3·4
East	6	2·9	—	—	3	2·1	0	0·0	4	2·4	3	1·7	8	1·9	8	1·7
Calm	2	—	—	—	3	—	6	—	0	—	10	—	1	—	6	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	Districts of the British Isles.											
	Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate
Rainfall ..	Moderate	Heavy	Heavy	Light	Moderate	Very Light	Moderate	Moderate	Light	Moderate	Moderate	Light
Sunshine ..	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate	Scanty	Scanty	Abundant	Moderate

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 1 week from August 28th, 1921. Warmth ..	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0
Rainfall ..	0, 1, 0	1, 0, 0	1, 0, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1
Sunshine ..	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	—	0, 1, 0	0, 0, 1	0, 0, 1	1, 0, 0	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week: in.	mm.	Deviation from Normal mm.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	55	31st	40	30th	52·4	43·6	47·7	- 3·5	3	0·47	12	- 12										
p Deerness, Orkney	165	58	1st	41	30th	54·6	44·6	49·3	- 2·7	6	0·94	24	+ 1	Deerness	3·9	+0·4	27	—	—	—	—	—	—
a, Islands *t* Stornoway	51	59	1st	35	30th	56·4	43·7	49·7	- 3·0	5	2·06	52	+20	Stornoway	4·5	+0·7	32	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	62	1st	35	30th	55·4	43·9	49·3	- 3·3	5	0·85	22	+ 1										
a Strathpeffer	125	65	1st	35	1st	61·3	43·4	51·8	- 2·1	3	0·50	13	- 6										
b, Main- *p* Glencarron	500	65	1st	36	30th	57·6	42·7	49·7	- 2·8	5	1·45	37	- 21										
land. *a* Fort Augustus	68	67	1st	33	30th	61·1	42·7	51·4	- 2·5	4	0·32	8	- 19										
p Fort William	171	66	1st	36	30th	60·3	44·7	52·0	- 2·5	3	1·07	27	- 23										
1. SCOTLAND, E.																							
t Nairn	82	68	1st	40	28, 30	60·0	45·0	52·1	- 1·9	4	0·26	7	- 11	Nairn	4·9	—	34	—	—	—	—	—	—
p Gordon Castle	101	68	1st	38	30th	59·7	44·6	51·7	- 2·6	4	0·27	7	- 15	Gordon Castle	4·7	—	33	—	—	—	—	—	—
t Aberdeen	46	63	31, 3	37	30th	60·7	45·9	52·9	- 1·3	4	0·48	12	- 7	Aberdeen	4·7	+0·2	33	2	24	—	—	54·4	+0·5
a Balmoral	930	63	1st	30	30th	58·1	39·9	48·5	- 2·7	5	0·37	9	- 12	Balmoral	—	—	—	2	26	—	—	—	—
p Crieff	432	62	31st	37	30th	59·0	43·3	50·7	- 4·3	4	1·57	40	+13	Crathes	3·8	- 0·3	27	0	32	52·1	- 4·4	52·5	- 2·9
a Dundee	244	64	31st	34	30th	60·4	42·0	50·7	- 4·2	4	0·71	18	- 3	Dundee	4·5	—	32	1	27	55·7	—	—	—
t Inchkeith (F. of Forth)	190	64	1st	43	29th	58·1	48·9	53·2	—	3	0·83	21	—	Inchkeith (F. of Forth)	—	—	—	0	40	—	—	—	—
p Edinburgh	441	—	—	—	—	—	—	—	—	—	—	—	—	Edinburgh	—	—	—	2	27	—	—	—	—
a West Linton	769	65	31st	30	30th	58·1	41·3	49·2	- 2·3	7	2·76	70	—	West Linton	—	—	—	—	—	—	—	—	—
a Marchmont	498	—	—	37	30th	—	43·7	—	—	5	1·00	25	+ 3	Marchmont	4·7	+0·4	34	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	66	1st	33	31st	58·3	42·8	50·1	—	7	1·97	50	—	Ford (Argyll)	—	—	—	0	32	57·7	—	57·4	—
b Rothesay	200	62	1st	41	30th	57·9	45·9	51·5	- 3·5	6	1·88	48	+14	Rothesay	4·6	—	33	0	36	56·1	—	56·4	+0·8
a Kilmarnock	90	64	31, 1	36	30th	61·3	45·0	52·7	- 1·2	4	1·31	33	+ 4	Kilmarnock	5·3	—	38	—	—	55·0	—	55·6	—
a Colmonell	170	64	1, 3	37	30, 31	61·9	46·0	53·5	- 0·8	5	0·65	17	- 12	Colmonell	—	—	—	0	34	—	—	—	—
t Renfrew	49	66	1st	35	30th	59·6	43·7	51·2	—	4	1·22	31	—	Renfrew	5·2	—	37	2	28	—	—	—	—
p Dumfries	160	63	1st	37	31st	59·4	43·7	51·1	- 4·4	4	1·22	31	+ 7	Dumfries	4·8	—	35	0	32	57·2	- 1·4	57·5	- 1·3
t Eskdalemuir	794	62	1st	30	31st	57·7	40·9	48·8	—	5	2·03	52	—	Eskdalemuir	4·6	—	33	2	25	—	—	—	—
b, I. OF MAN *h* Douglas	284	63	1st	43	30th	59·0	49·0	53·7	- 1·6	3	0·99	25	- 3	Douglas	5·0	- 0·1	36	0	39	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	67	1st	40	28, 30	60·6	46·3	53·0	- 2·6	4	1·13	29	+10	Cockle Park	4·0	- 0·7	29	1	28	53·1	- 1·7	55·0	0·0
t Tynemouth	118	67	1st	42	30th	60·0	48·7	54·0	- 2·2	4	2·49	63	+47										
p Durham	336	66	28, 1	39	30th	61·4	44·7	52·6	- 3·5	4	1·59	40	+25	Durham	5·0	+0·7	36	1	29	—	—	—	—
a North *p* Rounton	249	65	31st	41	31st	59·9	46·4	52·8	- 2·9	5	0·74	19	+ 3	Rounton	—	—	—	1	30	57·4	—	—	—
a West Witton	605	65	1st	42	30, 31	61·1	47·4	53·8	—	4	1·08	27	—	West Witton	—	—	—	0	35	57·7	—	56·0	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	73	1st	46	30, 31	64·9	49·6	56·8	- 1·0	4	1·07	27	+13	York	3·9	- 0·6	28	—	—	60·2	+1·5	59·0	+1·6
t Spurn Head	26	71	31st	50	283031	64·0	52·4	57·9	- 0·5	4	0·69	17	+ 5										
b, South *a* Lincoln	58	71	1st	44	31st	65·4	51·6	58·1	- 0·3	3	0·26	7	- 7	Lincoln	—	—	—	0	40	60·1	+0·8	60·0	+2·1
t Cranwell	237	71	1st	43	31st	64·7	50·6	57·2	- 1·2	3	0·22	6	- 9	Cranwell	4·4	- 1·0	32	0	35	—	—	—	—
														Skegness	5·4	- 0·2	39	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	74	1st	47	31st	65·4	52·6	58·6	- 0·2	5	0·17	4	- 9	Cromer	5·5	- 0·1	40	—	—	—	—	—	—
a Little Massingham	277	72	1st	45	31st	65·7	51·9	58·4	+0·3	3	0·14	4	- 14	Lit Massingham	4·8	- 0·6	35	—	—	—	—	—	—
t Yarmouth	13	70	1, 2	45	31st	67·3	52·7	59·6	+0·8	3	0·09	2	- 14	Yarmouth	6·3	—	46	0	40	63·7	+1·8	62·0	+1·1
a Norwich	99	76	1st	41	31st	67·7	52·1	59·4	+0·7	5	0·14	4	- 12	Norwich	5·3	—	39	0	36	62·3	—	—	—
a Geldeston	37	77	1st	40	31st	69·6	50·0	59·2	+0·6	2	0·12	3	- 12	Geldeston	5·2	- 0·5	38	—	—	—	—	—	—
p Cambridge	41	75	1st	38	31st	70·6	50·0	59·7	+0·7	3	0·17	4	- 10	Cambridge	5·7	+0·1	42	0	31	62·4	+1·5	61·7	+1·7
t Clacton-on-Sea	54	72	1st	45	31st	68·9	54·3	61·2	+1·7	0	0·01	0·2	- 12	Clacton-on-Sea	7·1	+0·6	52	0	40	63·0	+2·3	61·8	+1·7
a Rothamsted	420	73	28th	37	31st	68·3	50·0	58·6	+0·8	1	0·04	1	- 15	Rothamsted	5·8	+0·2	42	1	29	60·9	—	—	—
p Tottenham	51	75	1st	44	31st	70·3	53·7	61·5	—	0	0·00	0·1	—	Tottenham	26·5	—	48	0	42	—	—	65·7	+4·1
														Southend	7·0	—	51	0	47	66·2	+1·7	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	67	1st	43	30, 31	61·6	47·1	53·9	- 1·9	4	1·24	32	+14	Harrogate	4·2	- 0·5	31	0	38	56·9	+0·7	56·9	+1·0
a North *p* Sheffield	429	67	1st	43	31st	62·9	49·1	55·6	—	5	2·27	58	—	Sheffield	4·7	+0·2	34	0	31	58·6	+0·8	57·8	+1·8
h Buxton	987	65	1st	34	31st	58·9	46·6	52·4	- 1·9	4	1·69	43	+14	Buxton	4·6	—	33	1	29	57·4	+0·1	58·2	+2·7
a Worksop	56	70	1st	40	31st	65·9	49·7	57·3	- 0·1	4	1·24	31	+16	Worksop	4·6	+0·3	33	1	30	60·3	--	59·3	—
t Nottingham	82	70	1st	40	31st	64·9	51·7	57·9	+0·2	4	0·76	19	+ 3	Nottingham	5·3	+0·5	38	0	38	60·2	+1·7	61·1	+2·3
b, East *p* Birmingham, Edgbsn.	525	69	1st	43	31st	64·0	50·1	56·6	- 1·0	4	0·28	7	- 10	Birmingham	4·6	+0·5	33	1	30	56·5	+1·0	55·2	+1·4
a Raunds	203	71	28, 1	38	31st	68·1	50·3	58·7	0·0	2	0·05	1	- 15	Raunds	5·4	—	39	0	31	62·7	—	—	—
p Oxford	208	74	28th	43	31st	68·6	51·1	59·3	+0·6	4	0·11	3	- 12	Oxford	5·1	- 0·3	37	0	34	—	—	—	—
														Malvern	4·7	—	34	0	34	61·5	—	61·4	—
a Cheadle (N. Staffs.)	646	67	1st	41	31st	61·7	48·6	54·8	- 1·3	4	1·79	46	+24	Cheadle	—	—	—	0	40	—	—	—	—
c, West *p* Tenbury	313	69	1st	35	31st	65·0	47·0	55·5	- 1·4	4	0·34	9	- 7	Tenbury	—	—	—	0	32	60·5	—	—	—
a Hereford	291	70	1st	34	31st	65·9	48·1	56·5	- 1·2	3	0·20	5	- 11	Ross on Wye	4·4	—	32	1	30	61·7	—	61·4	—
a Clifton	225	69	28, 29	45	31, 1, 2	66·4	48·7	57·0	- 2·9	3	0·26	7	- 15	Clifton	6·3	—	46	0	42	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	69	28, 1	32	31st	65·6	46·0	55·2	- 1·5	3	0·24	6	- 12	Worthing	7·5	+1·2	56	0	39	62·9	+0·7	61·9	+1·1
a Porton	340	73	28th	32	31st	65·6	45·9	55·2	—	1	0·18	5	—	Marlborough	3·8	- 1·2	28	1	29	59·4	—	59·0	—
a Wisley, Surrey	150	77	28th	37	31st	71·3	50·0	60·0	+1·3	1	0·07	2	- 14	Porton	—	—	—	1	26	61·0	—	—	—
h Tunbridge Wells	354	74	1st	41	31st	70·7	50·4	59·9	+1·0	1	0·01	0	- 18	Wisley, Surrey	7·0	+1·5	51	1	26	63·3	+2·6	60·7	+0·9
h Margate	51	75	1st	50	31st	68·3	56·1	61·8	+1·1	1	0·50	13	- 2	Tunbridge Wells	6·3	+0·4	47	1	30	62·1	+0·6	60·9	—
														Margate	7·2	+1·5	53	0	44	65·3	+4·0	65·1	+5·0
t Dungeness	21	70	1, 2	44	31st	67·9	54·6	60·9	+0·8	1	0·08	2	- 14	Folkestone	8·0	—	59	—	—	—	—	—	—
h St. Leonards	178	71	29, 1	47	30th	68·4	54·9	61·3	+1·2	2	0·12	3	- 15	St. Leonards	8·2	+2·0	61	0	43	64·7	—	62·6	—
p Southampton	64	72	28th	44	31st	69·0	52·4	60·2	- 0·3	0	0·00	0	- 19	Southampton	6·4	+0·4	47	0	34	—	—	—	—
a Ventnor	59	69	28th	50	30th	67·3	56·0	61·3	+0·2	4	0·24	6	- 11	Ventnor	5·5	- 0·6	41	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	77	28th	42	31st	70·0	52·3	60·6	+1·1	0	0·00	0·1	- 16	Richmond	6·4	+1·0	47	0	33	62·8	+2·4	60·6	+1·8
a Westminster	27	76	29th	44	31st	72·1	53·9	62·5	+2·0	1	0·01	0.3	- 15	Westminster	6·2	+1·4	46	0	37	—	—	—	—
ag Greenwich	149	78	28, 1	40	31st	73·1	51·7	61·8	+1·4	0	0·00	0	- 15	Greenwich	6·4	+0·9	47	1	25	—	—	—	—
a Hampstead	450	73	28, 1	45	30th	69·6	53·4	61·0	—	1	0·02	1	—	Hampstead	6·2	—	45	0	35	—	—	—	—
ag Camden Square	110	77	1st	44	31st	73·3	52·4	62·2	+1·2	1	0·03	1	- 15	Camden Square	—	—	—	0	41	—	—	—	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	1st	37	30th	58·4	44·1	50·8	- 5·0	4	0·85	22	- 5	Aspatria	4·1	- 0·4	29	0	33	56·3	- 1·9	—	—
p Newton Rigg	559	63	28, 1	37	31st	60·1	43·7	51·4	- 3·3	5	1·47	37	+15	Newton Rigg	4·3	- 0·1	31	0	33	—	—	—	—
p Stonyhurst	375	64	1st	43	31st	60·0	49·7	54·5	- 1·4	4	2·04	52	+20	Stonyhurst	3·9	- 0·4	28	0	37	—	—	—	—
h Blackpool	66	66	1st	43	30, 31	60·9	50·1	55·2	- 1·8	4	0·70	18	- 5	Blackpool	4·9	- 0·1	35	0	35	59·6	—	57·7	—
h Southport	37	66	1st	43	31st	60·1	51·3	55·4	- 1·7	4	1·07	27	+ 5	Southport	5·2	+0·4	38	0	39	59·9	- 0·5	61·0	+0·8
														Hoylake	4·4	- 0·3	32	—	—	—	—	—	—
t Liverpool (Bidston)	188	67	1st	44	31st	59·9	51·3	55·3	- 2·3	4	0·81	21	+ 2	Liverpool	3·9	—	28	0	36	—	—	—	—
a Hawarden Bridge	22	70	1st	39	31st	63·0	50·6	56·4	- 1·7	4	0·65	17	+ 1	Manchester City	4·1	+0·5	30	0	40	60·5	+1·6	62·1	+2·5
p Manchester (Whit. Pk.)	125	71	1st	40	31st	62·7	50·1	56·0	- 1·9	4	1·14	29	+ 8	„ Whit. Pk.	3·7	+0·1	27	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	66	1st	44	31st	60·9	51·6	56·0	- 2·3	4	0·48	12	- 7	Llandudno	3·7	- 1·3	27	—	—	—	—	—	—
t Holyhead	15	64	1st	48	31st	61·0	52·7	56·6	- 0·8	4	0·66	17	- 4	Holyhead	4·1	—	30	0	41	—	—	—	—
a Aberdovey	60	65	2nd	45	31st	62·6	52·3	57·1	—	5	0·73	19	—	Aberdovey	4·8	- 0·3	35	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*r*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*a*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively.

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	65	1st	44	31st	62·0	53·8	57·7	—	5	0·70	18	—	Aberystwyth	4·3	- 0·9	31	—	—	—	—	—	—
a Rhayader	757	65	1st	33	31st	60·9	45·7	52·8	—	5	1·04	26	—	Rhayader ..	3·8	—	28	1	25	—	—	—	—
t Pembroke	149	64	3rd	50	30th	60 3	54·3	57·1	- 0·8	5	0·55	14	- 9	Pembroke ..	4·9	- 0·5	36	—	—	—	—	—	—
p Cardiff	202	68	28th	43	31st	65·3	50·9	57·7	- 0·5	4	0·18	5	-23	Cardiff ..	4·7	—	34	0	35	61·2	+0·9	60·1	+0·9
b, ENGLAND, S.W.																							
h Bath	66	74	28th	38	31st	68·3	50·3	58·8	+0·3	3	0·05	1	-18	Bath	4·2	- 1·3	31	—	—	62·7	+0·7	62·0	+0·7
a Shaftesbury	722	68	28, 3	44	30th	64·9	49·9	57·0	- 0·6	1	0·09	2	-19	Shaftesbury ..	—	—	—	—	—	60·6	—	60·2	—
a Arlington	613	64	28, 1	41	31st	62·7	50·5	56·2	- 0·6	5	0·54	14	-21										
h Newquay	190	67	1st	51	31st	63·4	55·7	59·3	+0·3	3	0·13	3	-18	Newquay ..	3·6	- 2·2	26	—	—	62·2	—	60·3	—
a Cullompton	202	72	1, 2	38	31st	69 3	50·4	59·3	+1·2	4	0·12	3	-17	Cullompton ..	4·2	- 1·0	31	1	30	62·0	—	—	—
t Portland Bill	19	67	30,31,1,3	56	30th	65·9	57·9	61·7	+2·0	0	0·00	0	-16	Weymouth ..	6·0	—	44	—	—	—	—	—	—
p Plymouth	116	69	1, 3	49	31st	65·7	55·0	60·0	+0·7	2	0·13	3	-18	Plymouth ..	4·3	- 1·4	32	0	43	62·1	+0·3	60·4	—
t Falmouth	167	67	1st	47	30th	64·9	54·3	59·3	+0·5	5	0·29	7	-17	Falmouth ..	3·4	- 2·5	25	0	38	62·6	—	63·1	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	64	31st	45	31st	59·7	49·1	54·1	- 2·3	4	0·56	14	-15										
a Mallarany	120	63	31st	42	30th	60·4	48·3	54·0	—	5	0·89	23	—	Mallarany ..	3·9	—	28	0	33	—	—	—	—
p Markree Castle.. ..	122	66	31st	37	29, 31	60·7	44·0	51·9	- 2·9	5	1·47	37	+11	Markree Castle	2·8	- 0·9	20	0	32	58·6	- 0·7	57·9	+0·8
b, East .. *p* Armagh..	204	64	31st	40	31st	60 4	46·4	53·0	- 2·3	5	0·47	12	- 9	Armagh ..	2·7	- 1·1	20	1	28	57·9	- 1·0	57·3	-0·4
t Donaghadee	35	63	1st	44	28, 30, 31	59·9	48·3	53·8	- 2·0	3	1·15	29	+10										
														Trinity Coll.	—	—	—	0	32	59·4	0 0	58·3	+0·2
10. IRELAND, S.														Phœnix Park	5·1	+0·7	37	0	32	—	—	—	—
p Dublin City	54	64	1st	44	30th	61·0	49·4	54·9	- 2·8	5	0·34	9	- 6	Dublin City ..	—	—	—	0	38	—	—	—	—
t Birr Castle	175	64	3rd	36	30th	61·9	46·7	53·8	- 2·3	5	0·41	11	- 7	Birr Castle ..	5·0	+1·0	36	1	29	—	—	—	—
a Kilkenny	195	66	1, 3	37	30th	63·4	46 9	54·7	- 1·9	5	0·54	14	- 3										
a Waterford	137	69	1st	41	30th	64 0	48 3	55 7	- 1·8	5	0·98	25	+5										
p Seskin, Carrick-on-Suir	542	66	1st	42	29, 30	62·6	47·3	54·5	—	5	1·12	29	—	Seskin ..	5·2	—	38	0	33	—	—	—	—
a Foynes	50	69	31st	42	30th	63·3	49·1	55·8	- 1·3	5	0·72	18	- 2										
t Cahirciveen (Val. Obs.)	30	63	3rd	40	30th	60·7	50·9	55·5	- 2·2	3	0·73	19	- 8	Cahirciveen ..	5·0	+0·6	36	0	35	—	—	—	—
a Killarney	174	67	3rd	40	30th	64·7	49·9	56·9	- 0·7	5	0·75	19	- 5	Ballinacurra	5·8	+1·6	43	—	—	—	—	—	—
t Roche's Point	32	65	1st	45	30th	62·3	51·7	56·7	- 1·1	5	0·97	25	+4										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	66	28th	52	30th	64·4	55·4	59·6	- 0·1	4	0·28	7	-10	Scilly ..	5·2	- 0·8	38	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	71	3rd	47	31st	68·0	54·6	60·9	- 0·7	1	0·04	1	-15	St. Heliers ..	7·7	+1·2	57	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	73	28th	50	31st	68·7	56 2	62·1	+0·8	2	0·05	1	-16	Guernsey† ..	7·8	+1·2	58	0	39	66·0	+2·9	64·2	+2·1

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Grange.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 3rd, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	0	27, 30	17	63	75	13	0	310	15	27	3	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	100	68	0	290	4	30	13	11	30	13	0
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	17	143	8	0	280 / 290	8	30	15 / 16	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	10	95	63	0	200	8	1	13	12	30	20	15
Paisley	188	81	15	—	0	—	0	16	124	28	0	310	8	2	11	15	30	12	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	0	55	65	48	290	4	30	14	10	30	13	35
South Shields	72	61	12	—	0	—	0	11	114	43	0	290	7	30	12	12	30	17	15
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	0	1	3	46	108	11	0	210	11	1	14	14	1	14	50
Shoeburyness	103	90	‡	Records Defective.															
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	11	117	40	0	230	8	1	15	13	1	14	35
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	17	116	35	0	—	?8	29	18	?13	29	17	40
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	64	96	8	0	240 / 270	11	29 / 1	11 / 14	15	1	14	35
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	15	101	52	0	220	8	1	16	15	1	16	35
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	2	4	80	76	8	0	310	13	2	4	—	—	—	—
Southport	80	62	48	—	0	29, 2	3	94	65	6	0	300	12	2	4	15	29	11	35
Holyhead	60	40	‡	—	0	29, 30	3	91	74	0	0	280	11	29	20	17	31	23	50
8. ENGLAND, S.W.																			
Pendennis Castle	256	65	24	—	0	1	10	79	66	13	—	—	13	1	14	19	29	14	15
Plymouth	185	88	2	—	0	—	0	30	64	0	74	—	9	1	14	—	—	—	—
Lyme Regis	556	61	‡	—	0	—	0	7	103	58	0	—	8	1	15	11	1	15	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	29, 1	4	61	96	7	0	240	12	1	16	—	—	—	—
Quilty	100	40	‡‡‡‡	—	0	—	0	63	87	18	0	—	10	1	8	14	1	7	55
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡‡	—	0	—	0	54	83	31	0	180	10	31	9	16	31	9	20
Weaver Pt.	160	30	‡	—	0	—	0	54	103	9	2	—	10	31	12	16	31	12	55
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	‡	—	0	29	1	37	68	62	0	280	12	29	16	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIFTH WEEK of 1921—August 28th to September 3rd, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	67	33	87·3	79·4	83·1	− 1·6	57	− 22	0	0	4	− 1	0·96	24	− 8	4·2	+0·8	30	1011
Eastern.																			
1. SCOTLAND, EAST ..	68	30	88·1	79·7	83·7	− 1·5	64	− 23	0	0	5	0	0·94	24	+ 3	4·5	+0·2	32	1013
2. ENGLAND, N.E. ..	73	39	90·0	82·3	85·9	− 0·9	93	− 11	0	0	4	0	1·02	26	+11	4·6	− 0·3	33	1014
3. ENGLAND, EAST ..	77	37	93·1	84·1	88·3	+ 0·5	123	+ 7	0	0	2	− 2	0·10	3	− 11	5·9	+0·2	43	1016
4. MIDLAND COUNTIES	74	34	91·4	82·6	86·8	− 0·3	104	− 4	0	0	4	0	0·63	16	− 1	4·9	0·0	35	1016
5. ENGLAND, S.E. ..	77	32	93·2	84·1	88·3	0·0	123	0	0	0	1	− 3	0·14	4	− 13	6·7	+0·8	49	1017
Western.																			
6. SCOTLAND, WEST ..	66	33	88·3	80.3	84·1	− 1·6	70	− 22	0	0	5	+1	1·32	34	+ 3	—	—	—	1014
7. ENGLAND, N.W. ..	71	37	88·9	82·7	85·6	− 1·2	89	− 15	0	0	4	0	1·00	25	+ 2	4·3	− 0·2	31	1015
8. ENGLAND, S.W. ..	74	33	91·2	84·1	87·4	− 0·1	112	− 1	0	0	3	− 1	0·30	8	− 16	4·1	− 1·3	30	1017
9. IRELAND NORTH ..	66	36	88·8	81·3	84·8	− 1·3	79	− 16	0	0	4	− 1	0·81	21	− 2	2·7	− 1·0	20	1014
10. IRELAND, SOUTH ..	69	36	90·0	82·5	86·1	− 0·9	95	− 12	0	0	5	+1	0·68	17	− 3	5·2	+0·9	38	1016
11. ENGLISH CHANNEL..	73	47	92·4	86·0	89·1	+ 0·2	132	+ 1	0	0	2	− 2	0·12	3	− 13	6·9	+0·5	51	1018
MEAN: DISTRICTS 1-10	77	30	90·3	82·4	86·1	− 0·7	95	− 10	0	0	4	− 1	0·69	18	− 3	4·8	− 0·1	35	1015

THE SEASON (Autumn).—Aggregates, &c., for the Period of 1 Week, August 28th to September 3rd, 1921.

0. SCOTLAND, NORTH ..	67	33	87·3	79 4	83·1	− 1·6	57	− 22	0	0	4	− 1	0·96	24	− 8	4·2	+ 0·8	30	1011
Eastern																			
1. SCOTLAND, EAST ..	68	30	88·1	79·7	83·7	− 1·5	64	− 23	0	0	5	0	0·94	24	+ 3	4·5	+ 0·2	32	1013
2. ENGLAND, N.E. ..	73	39	90·0	82·3	85·9	− 0·9	93	− 11	0	0	4	0	1·02	26	+11	4·6	− 0·3	33	1014
3. ENGLAND, EAST ..	77	37	93·1	84·1	88·3	+ 0·5	123	+ 7	0	0	2	− 2	0·10	3	− 11	5·9	+ 0·2	43	1016
4. MIDLAND COUNTIES	74	34	91·4	82·6	86·8	− 0·3	104	− 4	0	0	4	0	0·63	16	− 1	4·9	0·0	35	1016
5. ENGLAND, S.E. ..	77	32	93·2	84·1	88·3	0·0	123	0	0	0	1	− 3	0·14	4	− 13	6·7	+ 0·8	49	1017
Western.																			
6. SCOTLAND, WEST ..	66	33	88·3	80·3	84·1	− 1·6	70	− 22	0	0	5	+1	1·32	34	+ 3	—	—	—	1014
7. ENGLAND, N.W. ..	71	37	88·9	82·7	85·6	− 1·2	89	− 15	0	0	4	0	1·00	25	+ 2	4·3	− 0·2	31	1015
8. ENGLAND, S.W. ..	74	33	91·2	84·1	87·4	− 0·1	112	− 1	0	0	3	− 1	0·30	8	− 16	4·1	− 1·3	30	1017
9. IRELAND, NORTH ..	66	36	88·8	81·3	84·8	− 1·3	79	− 16	0	0	4	− 1	0·81	21	− 2	2·7	− 1·0	20	1014
10. IRELAND, SOUTH ..	69	36	90·0	82·5	86·1	− 0·9	95	− 12	0	0	5	+1	0·68	17	− 3	5·2	+ 0·9	38	1016
11. ENGLISH CHANNEL..	73	47	92·4	86·0	89·1	+ 0·2	132	+ 1	0	0	2	− 2	0·12	3	− 13	6·9	+ 0·5	51	1018
MEAN: DISTRICTS 1-10..	77	30	90·3	82·4	86·1	− 0·7	95	− 10	0	0	4	− 1	0·69	18	− 3	4·8	− 0·1	35	1015

THE YEAR. Aggregates, &c., for the Period of 35 Weeks, January 2nd to September 3rd, 1921.

0. SCOTLAND, NORTH ..	81	16	84·9	78·2	81·4	+ 0·6	1643	+101	348	−191	152	− 9	32·99	840	+48	3·7	+ 0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·9	77·9	81·7	+ 0·6	1834	+ 96	451	−166	128	−10	17·75	449	− 52	4·7	+ 0·4	34	1014
2. ENGLAND, N.E. ..	92	22	87·4	79·5	83·3	+ 1·4	2376	+399	250	−222	106	−18	11·67	300	−102	4·9	+ 0·3	36	1016
3. ENGLAND, EAST ..	91	23	88·6	79·9	84·1	+ 1·5	2738	+464	227	−267	80	−40	7·53	193	−186	5·7	+ 0·7	42	1018
4. MIDLAND COUNTIES	93	23	88·7	79·5	83·9	+ 1·5	2647	+411	253	−269	97	−22	11·28	288	−141	5·0	+ 0·5	37	1018
5. ENGLAND, S.E. ..	91	21	88·9	80·7	84·4	+ 1·3	2828	+417	170	−209	85	−31	8·23	211	−198	5·7	+ 0·5	43	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·3	79·2	82·6	+ 0·7	2133	+230	240	−176	146	+1	31·60	802	+72	—	—	—	1015
7. ENGLAND, N.W. ..	89	20	87·1	80·2	83·5	+ 1·1	2377	+315	161	−221	121	− 9	18·96	483	− 67	5·0	+ 0·4	37	1017
8. ENGLAND, S.W. ..	89	22	88·1	80·6	84·2	+ 1·2	2666	+396	131	−170	106	−23	14·43	368	−218	5·5	+ 0·5	41	1018
9. IRELAND, NORTH ..	86	23	86·9	79·9	83·2	+ 0·9	2264	+292	148	−192	143	−16	20·83	527	− 84	4·1	+ 0·1	30	1015
10. IRELAND, SOUTH ..	90	23	88 0	80·6	84·1	+ 1·0	2617	+337	117	−143	136	− 4	21·23	542	− 95	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88 4	82·5	85·6	+ 1·4	3015	+425	27	− 78	103	−30	10·76	273	−198	6·3	+ 0·4	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·6	79·8	83·5	+ 1·1	2448	+336	215	−204	115	−17	16·35	416	−107	5·0	+ 0·4	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
9th September, 1921.

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METEOROLOGICAL OFFICE * LIBRARY * 19 SEP 1921

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses: IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FOURTH YEAR. *Vol. XXXVIII (New Series)* No. 36

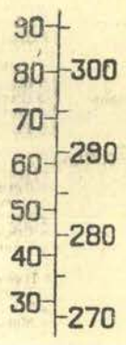
THIRTY-SIXTH WEEK.

SUNDAY, SEPTEMBER 4TH, TO SATURDAY, SEPTEMBER 10TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions prevailed over the United Kingdom for the greater part of the week and fine warm weather was experienced in most places. At the close of the week, however, owing to small secondary depressions passing across the British Isles the weather became cloudy and unsettled, with rain in places, and a decided fall in temperature. Thunderstorms occured at a few stations, mostly on the 9th. The mean temperature for the week was above the normal at every station: the warmest days were generally on the 8th or 9th when maxima of 300a or more were recorded in several places, the highest readings, 303a at Bexley Heath, Cambridge, Wisley (Surrey) and also in London, being only about 3a lower than the hottest day of the year. The minimum readings, which varied a good deal, were in some instances rather low, the readings on the morning of the 4th being about 275a at Marlborough, Porton (Salisbury Plain) and Rhayader (Radnor), while frost on the grass was registered at Porton, Wisley and Rhayader on the same date. The mean daily range of temperature for the week was more than 17a at a large number of stations, especially in the eastern and south-eastern parts of England. Rainfall was below the normal in all districts with the exception of Scotland N., the greatest deficit being –13mm. in England S.E. Amongst the heaviest individual falls were 32mm. at Clifton, 25mm. at Arlington (Devon), 24mm. at Fort William and 20mm. at Cardiff on the 10th, while the total for the two days 9th and 10th at Glencarron amounted to as much as 42mm. Bright sunshine was in excess of the normal in all districts except Scotland N. and at several stations the mean for the week was considerably more than twice the normal; between 11 and 12 hours in a day were recorded at a large number of stations on various dates, the largest amounts were 12·2 hours at Aberystwyth on the 5th and 6th, 12·1 hours at Seskin (Carrick-on-Suir) on the 6th and 12·0 at St.Leonard's on the 8th, while on the 7th and 8th Worthing had more than 12·0 hours on each day. The mean departure from the normal ranged from +6·2 at Birmingham to –2·1 at Stornoway. Solar halos were observed at Newquay on the 4th, Richmond (Kew Observatory) on the 10th and at Oxford and St. Leonard's on both the 4th and 10th and a Lunar halo at Oxford on the 9th. A Lunar rainbow was witnessed at Ross-on-Wye on the 10th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h:) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	19	3·0	19	3·2	11	3·8	11	2·1	20	3·9	16	1·5	20	3·9	20	4·4
North	3	1·5	0	0·0	3	3·1	1	1·3	3	1·3	2	6·0	2	0·7	4	3·0
West	11	2·3	19	3·9	13	2·7	6	3·0	22	3·1	5	6·8	10	3·5	6	7·1
East	9	2·4	0	0·0	2	3·0	3	3·2	1	2·4	17	3·5	10	1·6	16	0·8
Calm	4	—	8	—	12	—	16	—	5	—	6	—	5	—	4	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

DISTRICTS OF THE BRITISH ISLES.

		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Very Unusual	Unusual	Unusual	Unusual	Very Unusual	Unusual	Unusual	Unusual	Unusual	Very Unusual
	Rainfall ..	Moderate	Light	Light	Light	Light	Very Light	Moderate	Light	Light	Moderate	Moderate	Light
	Sunshine ..	Scanty	Abundant	Very Abundant	Very Abundant	Very Abundant	Very Abundant	—	Very Abundant	Very Abundant	Abundant	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 2 weeks from August 28th, 1921.	Warmth ..	1, 0, 1	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	1, 1, 0	1, 0, 1	1, 0, 1	1, 1, 0
	Rainfall ..	0, 2, 0	1, 0, 1	1, 0, 1	0, 0, 2	0, 1, 1	0, 0, 2	0, 2, 0	0, 1, 1	0, 0, 2	0, 2, 0	0, 2, 0	0, 0, 2
	Sunshine ..	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	—	1, 1, 0	1, 0, 1	1, 0, 1	2, 0, 0	1, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	59	7th	42	4th	56·4	49·3	52·7	+1·3	6	0·98	25	+ 7										
p Deerness, Orkney	165	63	7th	47	4th	57·3	51·0	54·0	+1·8	5	0·83	21	+ 4	Deerness	2·4	- 1·6	18	—	—	—	—	—	—
a, Islands t Stornoway	51	62	7sh	43	9th	58·9	51·4	55·0	+2·2	4	1·01	26	+ 3	Stornoway	2·3	- 2·1	17	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	69	7th	49	4th	60·4	51·6	55·8	+3·1	5	0·59	15	0										
a Strathpeffer	125	73	7th	47	4, 10	63·4	51·1	57·0	+3·2	3	0·40	10	- 3										
b, Main- p Glencarron	500	67	7th	40	9th	60·1	50·1	54·9	+2·4	6	2·11	54	+10										
land. a Fort Augustus	68	68	7th	49	10th	61·9	53·0	57·2	+3·4	5	0·75	19	- 1										
p Fort William	171	70	7th	48	9, 10	61·3	52·7	56·8	+2·3	7	2·05	52	+15										
1. SCOTLAND, E.																							
t Nairn	82	73	7th	49	4th	64·4	51·9	57·9	+4·2	5	0·28	7	- 3	Nairn	3·4	—	25	—	—	—	—	—	—
p Gordon Castle	101	75	7th	49	10th	67·0	53·0	59·7	+5·6	2	0·21	5	- 7	Gordon Castle	3·9	—	29	—	—	—	—	—	—
t Aberdeen	46	74	5, 7	51	8th	67·7	54·0	60·5	+6·5	1	0·07	2	- 8	Aberdeen	5·1	+0·3	38	0	43	—	—	54·1	+0·6
a Balmoral	930	70	7th	42	9th	65·1	48·4	56·4	+5·5	2	0·12	3	- 8	Balmoral	—	—	—	0	34	—	—	—	—
p Crieff	432	71	7th	46	10th	66·0	51·6	58·5	+3·9	2	0·67	17	+ 3	Crathes	4·5	0·0	33	0	40	54·6	- 0·7	52·2	- 2·6
a Dundee	244	73	7, 8	47	10th	66·6	49·4	57·6	+3·0	2	0·28	7	- 3	Dundee	5·5	—	41	0	39	57·1	—	—	—
t Inchkeith (F. of Forth)	190	70	7th	51	10th	64·0	54·1	58·8	—	1	0·01	0·2	—	Inchkeith (F. of Forth)	—	—	—	0	44	—	—	—	—
p Edinburgh	441	73	7, 8	49	10th	68·1	53·6	60·5	+6·1	2	0·09	2	- 7	Edinburgh	7·5	+2·7	56	0	45	—	—	—	—
a West Linton	769	771	9th	40	8th	65·7	46·3	55·5	+4·4	1	0·13	3	—	West Linton	—	—	—	0	36	—	—	—	—
a Marchmont	498	—	—	46	9th	—	48·4	—	—	1	0·11	3	- 8	Marchmont	8·9	+4·2	67	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	70	7th	44	9th	63·5	52·2	57·6	—	6	1·55	39	—	Ford (Argyll)	—	—	—	0	42	59·0	—	57·0	—
t Renfrew	49	72	7th	50	10th	66·6	53·0	59·5	—	2	0·39	10	—	Renfrew	6·5	—	49	0	42	—	—	—	—
p Rothesay	200	69	7th	48	10th	62·6	58·7	57·4	+2·5	3	1·09	28	+ 4	Rothesay	4·7	—	35	0	44	58·9	—	56·0	+1·0
a Kilmarnock	90	74	7th	50	8, 10	68·1	53·0	60·2	+6·4	2	0·56	14	- 5	Kilmarnock	7·3	—	54	—	—	58·6	—	55·2	—
a Colmonell	170	72	6th	49	10th	66·9	53·6	59·9	+5·5	2	0·44	11	- 9	Colmonell	—	—	—	0	46	—	—	—	—
p Dumfries	160	71	7th	47	8th	65·9	50·3	57·7	+2·4	3	0·44	11	- 5	Dumfries	6·5	—	48	0	39	58·7	+1·2	56·9	- 1·3
t Eskdalemuir	794	68	7, 8, 9	38	8th	64·3	45·4	54·4	—	2	0·72	18	—	Eskdalemuir	6·5	—	48	0	34	—	—	—	—
b, I. OF MAN h Douglas	284	68	6th	49	10th	64·0	52·1	57·8	+2·5	1	0·45	11	- 8	Douglas	8·2	+2·4	61	0	45	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	77	7th	41	9th	71·1	48·3	59·2	+4·6	2	0·22	6	- 8	Cockle Park	9·3	+4·5	70	0	37	55·6	+2·1	54·7	+0·5
t Tynemouth	118	74	7, 9	49	4th	68·9	51·4	59·7	+4·5	1	0·04	1	- 10										
p Durham	336	75	7, 8	42	6th	69·6	45·4	56·9	+1·8	1	0·13	3	- 8	Durham	8·1	+3·7	60	0	35	—	—	—	—
a North p Rounton	249	75	7, 8	43	7th	71·0	48·1	59·0	+4·4	2	0·14	4	- 7	Rounton	—	—	—	0	36	58·4	—	—	—
a West Witton	605	77	8th	45	4th	70·4	47·3	58·3	—	2	0·37	9	—	West Witton	—	—	—	0	39	56·3	—	55·3	—
h Scarborough	118	76	9th	50	4th	71·7	55·1	63·0	+6·2	1	0·07	2	- 9	Scarborough †	9·3	+4·3	69	—	—	—	—	59·5	—
p York	56	79	8th	47	6th	73·4	49·7	61·0	+4·3	2	0·11	3	- 7	York	8·7	+4·2	65	—	—	59·6	+1·8	58·6	+1·5
t Spurn Head	26	79	9th	253	4th	70·9	55·9	63·0	+5·4	1	0·04	1	- 8										
b, South a Lincoln	58	80	8, 9	46	6th	74·6	50·7	62·1	+4·8	1	0·20	5	- 5	Lincoln	—	—	—	0	44	59·7	+1·5	59·5	+1·9
t Cranwell	237	79	9th	42	9th	73·3	46·1	59·1	+1·8	1	0·01	0·3	- 10	Cranwell	10·2	+4·8	77	0	38	—	—	—	—
														Skegness	9·8	+4·1	73	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	84	9th	49	4th	71·4	54·7	62·7	+4·5	1	0·03	1	- 10	Cromer	9·3	+4·1	70	—	—	—	—	—	—
a Little Massingham	277	83	8th	49	4, 5	75·3	53·6	63·9	+6·7	1	0·05	1	- 14	Lit Massingham	9·4	+4·5	71	—	—	—	—	—	—
t Yarmouth	13	73	9th	50	9th	69·0	54·0	61·1	+3·0	0	0·00	0·1	- 13	Yarmouth	8·5	—	64	0	45	63·1	+2·3	61·0	+0·6
a Norwich	93	84	9th	44	4th	76·1	49·3	62·1	+4·2	1	0·01	0	- 14	Norwich	9·1	—	68	0	39	61·2	—	—	—
a Geldeston	37	84	9th	39	4th	76·0	43·9	59·2	+1·3	1	0·08	2	- 10	Geldeston	8·7	+3·4	65	—	—	—	—	—	—
p Cambridge	41	85	9th	40	4th	77·6	47·0	61·6	+3·6	1	0·02	1	- 10	Cambridge	9·4	+4·2	71	0	33	62·6	+2·9	61·3	+1·8
t Clacton-on-Sea	54	73	9th	48	4, 5	69·1	54·3	61·3	+2·6	1	0·05	1	- 10	Clacton-on-Sea	9·4	+3·4	71	0	44	63·2	+3·5	61·6	+1·9
a Rothamsted	420	82	9th	40	4th	75·3	47·3	60·6	+3·7	1	0·03	1	- 12	Rothamsted	9·0	+3·8	67	0	33	60·4	—	—	—
p Tottenham	51	83	9th	45	4th	77·4	51·3	63·7	—	1	0·03	1	—	Tottenham	8·6	—	65	0	45	—	—	65·7	+4·5
														Southend	9·1	—	69	0	49	67·4	+5·2	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	76	7, 8	45	4th	70·4	49·0	59·2	+4·1	2	0·21	5	- 8	Harrogate	9·9	+5·2	73	0	39	56·8	+1·5	56·3	+1·0
a North p Sheffield	429	79	8th	47	4th	72·9	50·6	61·2	—	2	0·05	1	—	Sheffield	9·8	+5·5	73	0	39	58·2	+1·3	57·3	+1·5
h Buxton	987	75	8th	41	6th	69·3	44·7	56·4	+2·9	2	0·16	4	- 17	Buxton	9·2	—	69	0	34	57·5	+1·3	57·5	+2·3
a Worksop	56	80	8th	44	9th	73·9	47·4	60·0	+3·5	1	0·02	1	- 9	Worksop	8·8	+4·6	66	0	36	59·6	--	58·5	—
t Nottingham	82	81	8th	43	6th	73·7	48·1	60·3	+3·4	1	0·01	0·2	- 11	Nottingham	9·6	+5·1	73	0	42	59·7	+2·4	60·4	+2·2
b, East p Birmingham, Edgbsn.	525	80	8th	46	4th	74·1	51·6	62·3	+5·5	1	0·01	0·2	- 12	Birmingham	10·1	+6·2	76	0	32	57·2	+2·6	55·0	+1·2
a Raunds	203	84	8, 9	40	4th	78·0	46·7	61·6	+3·7	0	0·00	0	- 11	Raunds	9·6	—	72	0	36	63·1	—	—	—
p Oxford	208	83	8th	42	4th	76·9	47·7	61·6	+3·8	1	0·02	1	- 10	Oxford	10·1	+4·9	76	0	35	—	—	—	—
														Malvern	10·8	—	82	0	38	61·5	—	61·0	—
a Cheadle (N. Staffs.)	646	76	7, 8, 9	45	4th	72·0	49·4	60·2	+4·7	2	0·03	1	- 15	Cheadle	—	—	—	0	39	—	—	—	—
c, West p Tenbury	313	79	8th	37	4th	74·4	43·0	58·0	+1·8	2	0·07	2	- 9	Tenbury	—	—	—	0	33	60·2	—	—	—
a Hereford	291	80	8th	38	4th	73·4	43·9	57·9	+1·1	1	0·05	1	- 10	Ross on Wye	10·3	—	77	0	34	63·3	—	61·2	—
a Clifton	225	81	8th	45	4th	74·1	50·9	61·9	+2·8	2	1·28	32	+16	Clifton	10·3	—	78	0	44	—	—	—	—
														Worthing	10·1	+4·0	77	0	42	61·7	+0·7	61·6	+1·2
5. ENGLAND, S.E.																							
a Marlborough	424	80	8th	35	4th	75·1	41·4	57·4	+1·6	2	0·13	3	- 13	Marlborough	9·7	+5·0	73	0	32	58·5	—	58·4	—
a Porton	340	82	9th	35	4th	75·9	42·6	58·5	—	1	0·04	1	—	Porton	—	—	—	1	28	60·6	—	—	—
a Wisley, Surrey	150	85	9th	38	4th	78·7	45·4	61·3	+3·6	1	0·04	1	- 14	Wisley, Surrey	9·3	+4·1	70	1	29	61·8	+2·3	60·2	+1·0
h Tunbridge Wells	354	83	9th	43	4th	76·0	48·7	61·7	+3·7	2	0·04	1	- 15	Tunbridge Wells	8·8	+3·2	67	0	33	61·5	+1·5	60·7	—
h Margate	51	82	9th	53	4th	71·7	57·0	64·0	+4.0	1	0·07	2	- 12	Margate	8·7	+3·1	65	0	46	65·9	+5·9	64·8	+5·3
t Dungeness	21	75	6th	46	4th	71·4	52·7	61·6	+2·2	1	0·04	1	- 13	Folkestone	8·7	—	66	—	—	—	—	—	—
h St. Leonards	178	76	8th	52	4th	71·1	56·3	63·3	+3·8	1	0·07	2	- 15	St. Leonards	9·3	+3·3	70	0	44	64·9	—	62·2	—
p Southampton	64	82	9th	45	4th	75·1	50·3	62·1	+2·4	1	0·05	1	- 15	Southampton	10·1	+4·4	76	0	36	—	—	—	—
a Ventnor	59	75	9th	250	4th	71·9	56·9	64·0	+3·5	2	0·14	4	- 13	Ventnor	9·7	+3·9	74	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	82	8, 9	45	4th	76·8	48·6	62·0	+3·5	1	0·01	0·2	- 14	Richmond	9·0	+4·0	68	0	34	62·4	+3·2	60·4	+2·0
a Westminster	27	85	9th	46	4th	77·6	52·0	64·2	+4·6	1	0·01	0·2	- 13	Westminster	8·6	+4·0	64	0	39	—	—	—	—
ag Greenwich	149	88	9th	42	4th	78·7	49·0	63·1	+3.7	1	0·01	0·3	- 13	Greenwich	9·3	+4·0	70	1	29	—	—	—	—
a Hampstead	450	83	9th	48	4th	76·1	54·4	64·7	—	1	0·03	1	—	Hampstead	9·5	—	72	0	35	—	—	—	—
ag Camden Square	110	86	9th	45	4th	78·6	50·9	64·1	+4·1	1	0·03	1	- 13	Camden Square	—	—	—	0	42	62·6	—	61·1	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	72	7th	45	9th	66·1	49·0	57·1	+2·0	1	0·30	8	- 11	Aspatria	8·1	+3·0	61	0	43	56·8	- 0·2	—	—
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	74	7th	46	6th	68·4	49·1	58·3	+3·1	2	0·53	14	- 8	Stonyhurst	9·2	+4·5	69	0	41	—	—	—	—
h Blackpool	66	75	7th	48	6th	68·1	51·1	59·2	+2·8	2	0·39	10	- 6	Blackpool	9·0	+3·5	67	0	39	59·0	—	57·4	—
h Southport	37	78	7th	48	6th	68·3	50·7	59·1	+2·7	2	0·32	8	- 8	Southport	9·3	+3·9	69	0	43	60·2	+1·3	60·3	+0·8
														Hoylake	10·0	+4·9	75	—	—	—	—	—	—
t Liverpool (Bidston)	188	76	7th	50	4th	68·6	52·3	60·1	+3·1	2	0·28	7	- 7	Liverpool	9·6	—	72	0	42	—	—	—	—
a Hawarden Bridge	22	80	7th	45	5th	72·9	48·3	60·0	+2·6	2	0·04	1	- 10	Manchester City	8·0	+4·0	59	0	45	60·1	+2·4	61·1	+2·0
p Manchester (Whit. Pk.)	125	81	7, 8, 9	46	6th	74·6	49·9	61·7	+4·4	1	0·07	2	- 12	,, Whit. Pk.	8·5	+4·5	64	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	77	7th	48	4, 5	68·0	51·0	59·1	+1·3	2	0·23	6	- 7	Llandudno	9·1	+3·5	68	—	—	—	—	—	—
t Holyhead	15	71	7th	52	10th	65·3	53·7	59·2	+2·1	2	0·48	12	- 3	Holyhead	7·4	—	55	0	43	—	—	—	—
a Aberdovey	60	76	8th	49	4th	70·6	53·4	61·6	—	1	0·16	4	—	Aberdovey	9·9	+4·1	74	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "r" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*g*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.			Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	75	7th	46	4th	67·4	51·6	59·1	—	2	0·16	4	—	Aberystwyth		9·8	+4·6	74	—	—	—	—	—	—
a Rhayader	757	75	7, 8	34	4th	70·0	40·0	54·3	—	2	0·17	4	—	Rhayader ..		10·0	—	75	3	28	—	—	—	—
t Pembroke	149	69	8th	52	8th	64·9	54·3	59·4	+1·8	2	0·24	6	-10	Pembroke ..		8·1	+2·8	61	—	—	—	—	—	—
p Cardiff	202	81	8th	44	4th	75·0	49·4	61·6	+3·5	2	0·85	22	+3	Cardiff ..		10·1	—	76	0	37	61·1	+2·0	60·0	+1·2
b, ENGLAND, S.W.																								
h Bath	66	82	8, 9	39	4th	76·9	45·9	60·7	+3·0	1	0·25	6	- 7	Bath		9·6	+4·1	72	—	—	62·2	+1·1	61·6	+0·7
a Shaftesbury	722	80	4th	49	4th	75·4	54·7	64·6	+7·6	1	0·02	1	-13	Shaftesbury ..		—	—	—	—	—	63·3	—	60·3	—
a Arlington	613	76	8th	44	4th	70·4	48·7	59·0	+2·7	2	0·98	25	+1											
h Newquay	190	73	6, 7	48	8th	69·1	51·6	59·9	+1·3	2	0·15	4	-11	Newquay ..		9·5	+3·8	72	—	—	61·7	—	60·2	—
a Cullompton	202	81	8th	40	4th	76·9	44·3	59·8	+2·5	2	0·11	3	-11	Cullompton ..		8·7	+3·6	66	0	32	62·5	—	—	—
t Portland Bill	19	72	7th	57	4, 6	69·0	58·9	63·7	+4·4	0	0·00	0	-11	Weymouth ..		9·5	—	72	—	—	—	—	—	—
p Plymouth	116	78	8th	47	4th	72·6	51·0	61·3	+2·6	1	0·10	3	-12	Plymouth ..		9·1	+3·5	69	0	41	62·9	+2·4	60·7	—
t Falmouth	167	71	6, 8, 9	49	4th	68·6	52·6	60·2	+1·9	2	0·12	3	-14	Falmouth ..		9·0	+3·2	68	0	42	62·6	—	63·0	—
9. IRELAND, N.																								
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..		—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	?66	7th	?45	10th	62·0	53·4	57·5	+1·3	4	0·54	14	- 8											
a Mallaranny	120	66	7th	46	9th	62·4	52·4	57·2	—	3	0·87	22	—	Mallaranny ..		3·5	—	26	0	37	—	—	—	—
p Markree Castle.. ..	122	71	6th	43	10th	65·3	48·9	56·7	+2·3	3	0·27	7	- 13	Markree Castle		4·7	+0·5	35	0	35	59·3	- 0·7	57·4	+0·5
p Armagh..	204	—	—	—	—	—	—	—	—	—	—	—	—	Armagh ..		—	—	—	—	—	—	—	—	—
b, East .. *t* Donaghadee	35	71	6th	45	10th	66·0	52·7	59·0	+3·5	2	0·31	8	- 6											
10. IRELAND, S.														Trinity Coll.		—	—	—	0	34	59·9	+1·5	58·1	+0·5
p Dublin City	54	72	6, 7	48	10th	67·1	53·0	59·7	+2·6	2	0·13	3	- 9	Phœnix Park		8·3	+3·2	62	0	40	—	—	—	—
t Birr Castle	175	73	6th	45	10th	65·7	50·9	57·9	+2·4	3	0·52	13	- 1	Dublin City ..		—	—	—	0	42	—	—	—	—
a Kilkenny	195	73	7th	42	10th	67·9	48·1	57·5	+1·5	2	0·57	15	+1	Birr Castle ..		5·6	+1·0	42	0	38	—	—	—	—
a Waterford	137	71	7th	43	10th	67·3	50·7	58·6	+1·7	1	0·55	14	- 2											
p Seskin, Carrick-on-Suir	542	71	6th	45	10th	65·7	50·9	57·9	—	2	0·37	10	—	Seskin ..		7·1	—	54	0	35	—	—	—	—
a Foynes	50	72	6th	47	5, 10	65·3	50·7	57·7	+1·1	4	0·52	13	0											
t Cahirciveen (Val. Obs.)	30	69	5th	47	4th	63·7	52·4	57·8	+0·4	3	0·47	12	-11	Cahirciveen ..		5·0	+0·2	38	0	43	—	—	—	—
a Killarney	174	75	5th	49	6th	66·7	53·0	59·5	+2·3	4	0·56	14	- 6	Ballinacurra		6·1	+1·3	46	—	—	—	—	—	—
t Roche's Point	32	67	7th	50	10th	64·4	54·6	59·3	+1·8	5	0·66	17	0											
11. ENGLISH CHANNEL.																								
t Scilly, St. Mary's ..	131	71	8th	51	10th	67·3	54·6	60·7	+1·1	2	0·14	4	-10	Scilly ..		7·7	+1·9	58	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	79	7th	57	4,5,7,8	75·6	58·4	66·6	+5·3	2	0·12	3	-11	St. Heliers ..		9·6	+3·2	73	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	80	9th	54	4th	74·4	57·1	65·3	+4·1	1	0·22	6	- 9	Guernsey† ..		10·1	+3·8	77	0	44	67·0	+4·6	64·0	+2·1

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Grange.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 10th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr	hr.	hr.	hr.	hr.	°	m/s			m/s.			
Deerness (Cup Anr.)** ..	188	16	5	—	0	—	0	21	126	21	0	170	8	9	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	78	89	0	220	6	10	24	13	10	15	20
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	17	102	49	0	220	9	10	16	—	—	—	—
Edinburgh	485	39	31	—	0	10	2	34	89	43	0	230	12	10	16	21	10	16	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	10	4	48	43	73	0	230	13	10	13	18	10	12	45
Paisley	188	81	15	—	0	—	0	25	101	42	0	230	9	10	18	22	10	17	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	0	55	41	72	260	4	6	21	8	6	15	30
South Shields	72	61	12	—	0	—	0	11	75	82	0	270	9	10	13	15	10	13	10
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	27	70	71	0	200	9	9	15	14	9	16	40
Shoeburyness	103	90	‡	Defective Records.															
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	5	56	107	0	200	8	9	15	13	9	15	0
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	17	117	34	0	—	7	10	2	13	10	2	25
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	35	100	28	5	280	9	10	15	13	10	13	10
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	6	62	100	0	200	8	9	14	15	9	15	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	10	9	14	112	33	0	250	13	10	24	—	—	—	—
Southport	80	62	48	—	0	10	20	6	101	41	0	250	15	10	23	20	10	22	30
Holyhead	60	40	‡	—	0	10	6	48	104	10	0	230	12	10	14	17	10	1	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	9, 10	4	32	94	32	6	220	13	10	1	18	10	16	0
Plymouth	185	88	2	—	0	—	0	16	68	3	81	—	9	10	2	13	10	2	40
Lyme Regis	556	61	‡	—	0	—	0	5	26	137	0	—	7	10	3	11	10	2	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	43	88	37	0	230	11	10	12	—	—	—	—
Quilty	100	40	‡	—	0	10	7	38	83	40	0	—	12	10	14	19	10	14	55
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	75	73	20	—	190	11	9	15	18	9	14	10
Weaver Pt.	160	30	‡	—	0	9	2	29	89	48	—	—	12	9	18	16	9	17	50
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	36	95	37	0	280 / 270	9	10	12 / 16	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SIXTH WEEK of 1921—September 4th to September 10th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall: Number of Days of Precipitation	Rainfall: Deviation from Normal	Rainfall: Total Fall	Rainfall: Deviation from Normal	Sunshine: Daily Mean	Sunshine: Deviation from Normal	Sunshine: Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	73	40	88·7	83·7	86·1	+1·4	95	+17	0	0	5	0	1·13	29	+ 6	2·4	− 1·6	17	1010
Eastern.																			
1. SCOTLAND, EAST ..	75	40	91·7	83·7	87·6	+2·5	113	+29	0	0	2	− 2	0·20	5	− 6	5·8	+1·1	43	1012
2. ENGLAND, N.E. ..	80	41	95·0	83·1	88·7	+2·4	128	+30	0	0	1	− 2	0·11	3	− 8	9·2	+4·2	69	1016
3. ENGLAND, EAST ..	85	39	96·4	83·3	89·6	+2·3	139	+28	0	0	1	− 2	0·03	1	− 11	9·0	+3·8	68	1018
4. MIDLAND COUNTIES	84	37	96·4	81·8	88·7	+2·0	128	+25	0	0	1	− 2	0·17	4	− 8	9·9	+5·1	74	1017
5. ENGLAND, S.E. ..	85	35	96·6	83·0	89·4	+1·5	137	+20	0	0	1	− 2	0·06	2	− 13	9·4	+3·7	71	1017
Western.																			
6. SCOTLAND, WEST ..	74	44	91·6	84·3	87·8	+2·2	116	+26	0	0	3	− 1	0·70	18	− 3	—	—	—	1015
7. ENGLAND, N.W. ..	81	45	93·6	83·3	88·2	+1·7	121	+21	0	0	2	− 2	0·29	7	− 9	9·3	+4·2	69	1016
8. ENGLAND, S.W. ..	82	34	95·2	83·0	88·8	+1·6	130	+21	0	0	2	− 2	0·28	7	− 10	9·2	+4·0	70	1017
9. IRELAND NORTH ..	73	43	91·2	83·8	87·3	+1·5	111	+19	0	0	3	− 1	0·41	10	− 7	4·7	+0·5	35	1013
10. IRELAND, SOUTH ..	75	42	91·9	83·9	87·7	+1·0	116	+13	0	0	3	− 1	0·50	13	− 4	6·3	+1·4	47	1016
11. ENGLISH CHANNEL..	80	51	95·4	86·7	90·9	+2·1	155	+26	0	0	2	− 1	0·16	4	− 10	9·1	+2·9	69	1017
MEAN: DISTRICTS 1-10	85	34	94·0	83·3	88·4	+1·9	124	+23	0	0	2	− 2	0·28	7	− 8	8·1	+3·1	61	1016

THE SEASON (Autumn).—Aggregates, &c., for the Period of 2 Weeks, August 28th to September 10th, 1921.

0. SCOTLAND, NORTH ..	73	33	88·0	81·6	84·6	− 0·1	152	− 5	0	0	9	− 1	2·09	53	− 2	3·3	− 0·4	24	1011
Eastern																			
1. SCOTLAND, EAST ..	75	30	89·9	81·7	85·7	+ 0·5	177	+ 6	0	0	7	− 2	1·14	29	− 3	5·2	+ 0·7	37	1013
2. ENGLAND, N.E. ..	80	39	92·5	82·7	87·3	+ 0·7	221	+ 19	0	0	5	− 2	1·13	29	+ 3	6·9	+ 2·0	50	1015
3. ENGLAND, EAST ..	85	37	94·8	83·7	89·0	+ 1·4	262	+ 35	0	0	3	− 4	0·13	4	− 22	7·5	+ 2·0	55	1017
4. MIDLAND COUNTIES	84	34	93·9	82·2	87·8	+ 0·9	232	+ 21	0	0	5	− 2	0·80	20	− 9	7·4	+ 2·6	54	1017
5. ENGLAND, S.E. ..	85	32	94·9	83·6	88·9	+ 0·8	260	+ 20	0	0	2	− 5	0·20	6	− 26	8·0	+ 2·2	60	1017
Western.																			
6. SCOTLAND, WEST ..	74	33	90·0	82·3	86·0	+ 0·3	186	+ 4	0	0	8	0	2·02	52	0	—	—	—	1015
7. ENGLAND, N.W. ..	81	37	91·3	83·0	86·9	+ 0·2	210	+ 6	0	0	6	− 2	1·29	32	− 7	6·8	+ 2·0	50	1016
8. ENGLAND, S.W. ..	82	33	93·2	83·6	88·1	+ 0·7	242	+ 20	0	0	5	− 3	0·58	15	− 26	6·7	+ 1·4	50	1017
9. IRELAND, NORTH ..	73	36	90·0	82·6	86·1	+ 0·1	190	+ 3	0	0	7	− 2	1·22	31	− 9	3·7	− 0·4	27	1014
10. IRELAND, SOUTH ..	75	36	91·0	83·2	86·9	0·0	211	+ 1	0	0	8	0	1·18	30	− 7	5·8	+ 1·2	43	1016
11. ENGLISH CHANNEL..	80	47	93·9	86·4	90·0	+ 1·1	287	+ 27	0	0	4	− 3	0·28	7	− 23	8·0	+ 1·7	60	1018
MEAN: DISTRICTS 1-10..	85	30	92·2	82·9	87·3	+ 0·6	219	+ 14	0	0	6	− 2	0·97	25	− 11	6·4	+ 1·5	47	1016

THE YEAR. Aggregates, &c., for the Period of 36 Weeks, January 2nd to September 10,th 1921.

0. SCOTLAND, NORTH ..	81	16	85·0	78·4	81·6	+ 0·7	1738	+118	348	−191	157	− 9	34·12	869	+54	3·7	+ 0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·1	78·0	81·8	+ 0·6	1947	+125	451	−166	130	−12	17·95	454	− 58	4·7	+ 0·4	35	1014
2. ENGLAND, N.E. ..	92	22	87·6	79·6	83·4	+ 1·3	2504	+429	250	−222	107	−20	11·78	303	−110	5·0	+ 0·4	37	1016
3. ENGLAND, EAST ..	91	23	88·8	80·0	84·2	+ 1·5	2877	+492	227	−267	81	−42	7·56	194	−197	5·8	+ 0·8	43	1018
4. MIDLAND COUNTIES	93	23	88·9	79·6	84·0	+ 1·5	2775	+436	253	−269	98	−24	11·45	292	−149	5·1	+ 0·6	38	1018
5. ENGLAND, S.E. ..	91	21	89·1	80·7	84·6	+ 1·3	2965	+437	170	−209	86	−33	8·29	213	−211	5·8	+ 0·6	44	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·5	79·3	82·8	+ 0·8	2249	+256	240	−176	149	0	32·30	820	+69	—	—	—	1015
7. ENGLAND, N.W. ..	89	20	87·2	80·3	83·6	+ 1·1	2498	+336	161	−221	123	−11	19·25	490	− 76	5·1	+ 0·5	38	1017
8. ENGLAND, S.W. ..	89	22	88·3	80·7	84·3	+ 1·2	2796	+417	131	−170	108	−25	14·71	375	−228	5·6	+ 0·6	42	1018
9. IRELAND, NORTH ..	86	23	87·0	80·0	83·3	+ 0·9	2375	+311	148	−192	146	−17	21·24	537	− 91	4·1	0·0	30	1015
10. IRELAND, SOUTH ..	90	23	88·1	80·7	84·2	+ 1·0	2733	+350	117	−143	139	− 5	21·73	555	− 99	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·5	82·7	85·8	+ 1·5	3170	+451	27	− 78	105	−31	10·92	277	−208	6·4	+ 0·5	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·8	79·9	83·6	+ 1·1	2572	+359	215	−204	117	−19	16·63	423	−115	5·1	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
16th September, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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METEOROLOGICAL OFFICE 27 SEP 1921 LIBRARY 148

FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 37.

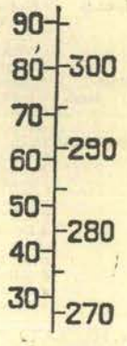
THIRTY-SEVENTH WEEK.

SUNDAY, SEPTEMBER 11TH, TO SATURDAY, SEPTEMBER 17TH, 1921.

Price 6d. Net, Post Free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week the weather over the British Islands was unsettled and rainy. Thunderstorms occurred in many places, the most severe being that on the night of the 11th to 12th, when a storm of exceptional severity broke over the southern and eastern parts of England, including London; the winds were strong in force and there was a "line squall" at Richmond (Kew Observatory); rain measurements of between 30 and 40mm. were recorded at a number of stations; amongst the largest amounts were 53mm. at Tottenham, 51mm. at Rothamsted, 50mm. in London (at Hampstead and Camden Square) and 45mm. at Felixstowe. During the last few days of the period the conditions became anticyclonic and fair dry weather prevailed over the British Isles generally. Mean temperatures for the week were below the normal in all districts except England E., England S.E. and the English Channel. The highest of the maxima were registered generally on the 14th with readings of 296a at one or two stations in the Eastern and South-eastern parts of England, and also at Jersey. After Wednesday the weather gradually became cooler and on Saturday in several parts of England the maximum temperature did not rise above 285a, while at a few stations in the east of Scotland it was as low as 283a. Screen minima of 273a and less were recorded at Balmoral, West Linton and Porton (Salisbury Plain) and ground frosts were registered in several places. Rainfall for the week was above the normal in all districts, the excess ranging from 28mm. in England E. to 6mm. in Ireland N. and the English Channel. The mean amount of bright sunshine was below the normal in most districts; the departure from the normal ranged from +1·2 hour at Edinburgh to −2·6 hour at Pembroke. The largest individual amounts were generally recorded on the 16th, when between 10 and 11 hours were obtained at a large number of stations; Eastbourne had 11·6 hours, Marlborough 11·3 hours and Tunbridge Wells 11·2 hours. Solar halos were seen at Tenbury on the 11th, Kew on the 11th and 15th, Dublin on the 12th and 16th, and at Oxford on each day of the week with the exception of Tuesday and Wednesday. A lunar halo was observed at Oxford on the 12th and a parhelion on the 15th. A lunar rainbow was witnessed at Rothesay (Bute) on the night of the 14th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	11	6·8	14	3·0	4	2·5	12	3·9	13	3·7	10	4·1	17	3·0	13	3·2
North	15	4·7	4	1·6	17	3·7	9	3·5	10	3·4	8	2·0	8	2·0	10	1·0
West	21	4·8	16	7·7	22	5·1	18	3·3	20	6·1	14	5·4	19	5·8	14	3·6
East	4	5·8	9	2·1	5	5·1	7	4·7	7	9·9	12	5·6	8	8·9	8	3·1
Calm	1	—	3	—	0	—	3	—	0	—	2	—	1	—	4	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Very Deficient	Very Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Unusual
Rainfall ..	Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate
Sunshine ..	Moderate	Abundant	Moderate	Scanty	Moderate	Scanty	—	Moderate	Scanty	Abundant	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 3 weeks from August 28th, 1921. Warmth ..	1, 0, 2	1, 0, 2	1, 2, 0	1, 2, 0	1, 2, 0	1, 2, 0	1, 0, 2	1, 1, 1	1, 2, 0	1, 0, 2	1, 0, 2	2, 1, 0
Rainfall ..	1, 2, 0	2, 0, 1	2, 0, 1	1, 0, 2	1, 1, 1	1, 0, 2	1, 2, 0	1, 1, 1	1, 0, 2	0, 3, 0	1, 2, 0	0, 1, 2
Sunshine ..	1, 1, 1	2, 1, 0	1, 2, 0	1, 1, 1	1, 2, 0	1, 1, 1	—	1, 2, 0	1, 0, 2	2, 0, 1	2, 1, 0	1, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	53	11th	39	13th	50·4	44·1	47·1	- 4·0	4	1·22	31	+14										
p Deerness, Orkney	165	53	11 14 15	40	13, 16	51·6	43·3	47·3	- 4·6	5	1·36	35	+19	Deerness	1·6	- 2·3	12	—	—	—	—	—	—
a, Islands t Stornoway	51	56	14, 17	37	13th	53·1	44·3	48·5	- 3·9	5	0·83	21	- 1	Stornoway	5·3	+1·0	40	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	56	14th	39	13th	52·4	44·4	48·2	- 4·1	5	1·40	36	+22										
a Strathpeffer	125	57	14, 15	35	13th	54·3	42·4	48·1	- 5·0	5	0·61	15	+ 3										
b, Main- p Glencarron	500	56	14, 15	34	13th	52·7	41·0	46·6	- 5·4	5	1·93	49	+ 7										
land. a Fort Augustus	68	57	14th	36	17th	54·6	41·4	47·7	- 5·4	5	1·15	29	+10										
p Fort William	171	60	17th	37	13, 17	56·6	43·3	49·6	- 4·3	5	1·41	36	+ 1										
1. SCOTLAND, E.																							
t Nairn	82	60	14th	39	12th	55·4	42·9	48·9	- 4·1	5	0·45	11	- 1	Nairn	4·7	—	36	—	—	—	—	—	—
p Gordon Castle	101	61	14th	41	12 13 14	56·7	43·7	49·9	- 3·6	5	0·52	13	0	Gordon Castle	3·9	—	30	—	—	—	—	—	—
t Aberdeen	46	63	14th	40	13th	57·4	45·0	50·9	- 2·5	4	0·41	11	- 1	Aberdeen	4·0	- 0·3	31	1	30	—	—	54·1	+1·1
a Balmoral	930	57	14th	30	12th	53·1	38·3	45·3	- 4·9	4	0·61	15	+ 3	Balmoral	—	—	—	3	24	—	—	—	—
p Crieff	432	60	14th	38	13th	56·4	42·0	48·9	- 5·0	3	0·91	23	+ 8	Crathes	4·5	+0·5	34	1	27	50·6	- 3·8	52·1	- 2·2
a Dundee	244	60	14th	33	12th	57·4	40·4	48·5	- 5·4	3	0·94	24	+13	Dundee	5·6	—	43	4	26	54·7	—	—	—
t Inchkeith (F. of Forth)	190	58	14th	45	13th	55·1	47·3	51·0	—	4	0·87	22	—	Inchkeith (F. of Forth)	—	—	—	0	42	—	—	—	—
p Edinburgh	441	59	14th	43	13, 16	54·0	44·4	49·0	- 4·7	3	0·86	22	+12	Edinburgh	5·4	+1·2	42	0	37	—	—	—	—
a West Linton	769	57	14th	32	17th	54·0	38·6	45·9	- 4·5	6	1·65	42	—	West Linton	—	—	—	3	28	—	—	—	—
a Marchmont	498	—	—	40	12th	—	43·0	—	—	2	1·15	29	+16	Marchmont	4·9	+0·7	38	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	61	16th	37	13th	57·0	43·3	49·8	—	5	1·19	30	—	Ford (Argyll)	—	—	—	0	35	55·8	—	56·8	—
t Renfrew	49	61	14th	37	17th	56·4	43·0	49·4	—	5	1·02	26	—	Renfrew	4·2	—	33	0	32	—	—	—	—
p Rothesay	200	57	14, 16	44	17th	55·1	45·1	49·9	- 4·2	5	1·31	33	+14	Rothesay	5·0	—	39	0	37	54·6	—	55·9	+1·5
a Kilmarnock	90	62	16th	36	17th	58·6	43·7	50·8	- 2·2	5	1·05	27	+12	Kilmarnock	4·3	—	33	—	—	54·2	—	55·3	—
a Colmonell	170	63	16th	46	12, 13	59·9	48·6	54·0	+0·3	5	0·90	23	+ 7	Colmonell	—	—	—	0	41	—	—	—	—
p Dumfries	160	60	14th	38	17th	56·3	43·4	49·5	- 4·8	4	1·13	29	+17	Dumfries	4·3	—	33	0	32	55·0	- 1·1	56·5	- 1·0
t Eskdalemuir	794	59	14th	34	17th	54·7	40·3	47·2	—	5	1·35	34	—	Eskdalemuir	3·6	—	28	1	30	—	—	—	—
b, I. OF MAN h Douglas	284	60	11th	47	12, 16	58·1	48·7	53·2	- 1·4	4	1·36	35	+20	Douglas	5·7	+0·3	44	0	43	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	62	12th	41	15th	58·8	43·4	50·7	- 3·0	3	0·90	23	+13	Cockle Park	5·6	+1·0	44	1	29	51·5	- 1·1	54·3	+0·8
t Tynemouth	118	65	14th	45	12, 16	57·0	47·1	51·8	- 2·6	3	0·68	17	+ 9										
p Durham	336	64	14, 15	41	12th	59·3	44·3	51·4	- 2·7	2	0·42	11	+ 4	Durham	5·0	+0·7	39	1	28	—	—	—	—
a North p Rounton	249	65	14th	39	12th	58·6	45·0	51·5	- 2·2	2	0·52	13	+ 5	Rounton	—	—	—	0	31	55·4	—	—	—
a West Witton	605	62	14th	42	12th	58·1	44·6	51·0	—	4	0·99	25	—	West Witton	—	—	—	0	34	53·8	—	54·6	—
h Scarborough	118	67	14th	48	15, 16	61·4	49·6	55·2	- 0·8	3	0·46	12	+ 4	Scarborough †	5·0	+0·2	39	—	—	—	—	59·4	—
p York	56	68	14th	43	12th	60·6	48·4	54·2	- 1·5	4	0·43	11	+ 4	York	4·0	- 0·5	31	—	—	57·9	+1·1	58·1	+1·5
t Spurn Head	26	70	14th	747	16th	60·7	50·3	55·3	- 1·5	3	0·37	9	+ 3										
b, South a Lincoln	58	70	14th	43	16th	64·1	48·1	55·7	- 0·7	4	0·43	11	+ 4	Lincoln	—	—	—	0	39	57·9	+0·9	59·3	+2·2
t Cranwell	237	69	14th	41	16th	61·6	48·3	54·6	- 1·8	4	1·13	29	+22	Cranwell	4·8	- 0·5	37	0	38	—	—	—	—
														Skegness	4·3	- 1·3	34	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	71	14th	46	16th	64·4	49·6	56·6	- 1·0	4	0·55	14	+ 6	Cromer	3·9	- 1·5	30	—	—	—	—	—	—
a Little Massingham	277	69	14th	43	16th	62·7	49·7	55·9	—	4	0·94	14	+14	Lit Massingham	4·6	- 0·5	36	—	—	—	—	—	—
t Yarmouth	13	73	14th	43	16th	65·3	51·9	58·3	+0·9	3	1·43	36	+27	Yarmouth	4·5	—	35	0	40	61·3	+1·8	60·6	+0·7
a Norwich	93	72	14th	44	16th	65·1	51·0	57·7	+0·7	4	1·18	30	+20	Norwich	4·3	—	33	0	38	59·6	—	—	—
a Geldeston	37	73	14th	42	16th	66·1	49·3	57·3	+0·2	3	1·32	34	+25	Geldeston	4·6	- 0·9	36	—	—	—	—	—	—
p Cambridge	41	72	14th	40	16th	66·1	49·7	57·5	+0·4	4	1·20	31	+23	Cambridge	4·1	- 1·3	32	0	34	61·1	+2·8	61·2	+2·3
t Clacton-on-Sea	54	71	14th	45	16th	65·0	53·0	58·7	+0·8	3	1·27	32	+24	Clacton-on-Sea	4·2	- 2·0	33	0	41	60·8	+2·1	61·4	+2·3
a Rothamsted	420	69	14th	41	16th	63·4	49·4	56·1	+0·1	4	2·52	64	+55	Rothamsted	3·6	- 1·8	28	0	35	58·2	—	—	—
p Tottenham	51	70	13, 14	45	16th	66·1	54·0	59·8	—	3	2·50	64	—	Tottenham	4·3	—	34	0	43	—	—	65·3	+4·7
														Southend	5·1	—	40	0	44	63·4	+2·7	—	—
4. MIDLAND COUNTIES.																							
a North h Harrogate	479	65	14th	43	12th	59·0	45·1	51·7	- 2·6	5	0·65	17	+ 9	Harrogate	4·5	- 0·2	35	0	36	54·9	+0·5	55·9	+1·2
p Sheffield	429	68	14th	47	11, 16	59·6	48·6	53·8	—	4	0·49	12	—	Sheffield	4·1	- 0·2	32	0	38	56·5	+0·8	57·1	+1·7
h Buxton	987	62	13th	42	17th	57·9	45·6	51·5	- 1·1	4	0·68	17	+ 3	Buxton	4·2	—	32	0	36	55·5	+0·7	57·2	+2·3
a Worksop	56	69	14th	42	16th	64·6	46·9	55·3	- 0·3	4	0·41	10	+ 4	Worksop	3·3	- 1·0	25	0	32	57·6	—	58·0	—
t Nottingham	82	68	14th	42	16th	62·1	48·7	55·1	- 0·9	4	1·08	27	+20	Nottingham	3·8	- 0·6	30	0	36	55·8	- 0·2	59·6	+2·1
b, East p Birmingham, Edgbsn.	525	67	13, 14	44	16th	62·7	48·6	55·3	- 0·7	4	1·02	26	+18	Birmingham	4·0	0·0	31	0	37	55·4	+1·7	55·2	+1·6
a Raunds	203	70	13, 14	42	16th	64·7	48·9	56·4	- 0·6	4	0·94	24	+18	Raunds	3·7	—	29	0	35	61·6	—	—	—
p Oxford	208	69	14th	42	16th	64·6	50·1	57·0	+0·1	5	1·63	41	+34	Oxford	3·7	- 1·6	29	0	35	—	—	—	—
														Malvern	3·7	—	29	0	37	59·8	—	60·9	—
a Cheadle (N. Staffs.)	646	66	11, 13	42	16th	61·9	45·9	53·5	- 1·2	4	0·83	21	+11	Cheadle	—	—	—	0	34	—	—	—	—
c, West p Tenbury	313	69	13th	34	16th	64·1	46·6	54·9	- 0·4	4	0·67	17	+11	Tenbury	—	—	—	1	30	58·4	—	—	—
a Hereford	291	69	13th	37	16th	64·1	47·9	55·6	- 0·2	4	1·11	28	+21	Ross on Wye	3·8	—	30	0	34	59·1	—	61·2	—
a Clifton	225	68	13th	44	16th	63·4	50·6	56·7	- 1·5	5	2·98	76	+66	Clifton	4·7	—	37	0	42	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	67	13, 14	34	16th	64·0	47·4	55·3	+0·5	5	1·93	49	+41	Worthing	4·3	- 2·0	33	0	40	61·2	+1·6	61·2	+1·3
a Porton	340	69	13th	32	16th	65·5	46·6	55·6	—	4	0·98	24	—	Marlborough	4·0	- 0·8	31	0	33	58·6	—	58·0	—
a Wisley, Surrey	150	69	13th	38	16th	66·1	51·4	58·4	+1·7	4	1·14	29	+21	Porton	—	—	—	1	25	59·7	—	—	—
h Tunbridge Wells	354	69	12 13 14	38	16th	66·3	51·7	58·7	+1·6	3	0·69	18	+ 9	Wisley, Surrey	4·6	- 0·8	36	1	27	60·3	+2·2	60·0	+1·4
h Margate	51	73	14th	51	11th	65·1	55·7	60·2	+1·0	3	0·45	12	+ 4	Tunbridge Wells	4·7	- 1·1	37	1	28	60·8	+2·2	60·5	—
														Margate	4·9	- 0·8	38	0	47	63·4	+4·7	64·6	+5·8
t Dungeness	21	70	14th	43	16th	65·4	56·0	60·5	+1·9	3	0·23	6	- 2	Folkestone	3·0	—	23	1	26	—	—	62·6	—
h St. Leonards	178	70	14th	48	16th	65·4	54·7	59·8	+1·1	4	0·44	11	+ 2	St. Leonards	4·7	- 1·4	37						
p Southampton	64	72	13th	41	16th	66·9	52·3	59·3	+0·6	4	0·72	18	+ 9	Southampton	4·2	- 1·6	33	1	29	—	—	—	—
a Ventnor	59	67	12, 14	45	16th	65·1	55·3	60·0	+0·2	3	0·40	10	0	Ventnor	4·4	- 1·6	34	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	70	14th	43	16th	66·0	52·2	58·8	+1·4	3	1·75	44	+37	Richmond	4·4	- 0·7	35	0	32	61·0	+3·2	60·3	+2·5
a Westminster	27	73	14th	45	16th	67·7	53·4	60·2	+1·6	3	1·04	49	+42	Westminster	4·3	- 0·2	34	0	39	—	—	—	—
ag Greenwich	149	72	11, 14	40	16th	68·1	52·0	59·7	+1·4	4	1·81	46	+39	Greenwich	5·1	- 0·2	40	1	27	—	—	—	—
a Hampstead	450	71	14th	43	16th	64·4	51·0	57·4	—	4	2·53	64	—	Hampstead	4·2	—	33	0	33	—	—	—	—
ag Camden Square	110	71	13, 14	44	16th	68·1	51·9	59·6	+0·7	3	2·42	61	+54	Camden Square	—	—	—	0	42	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	14th	40	17th	56·1	44·9	50·2	- 4·3	3	1·38	35	+19	Aspatria	4·7	- 0·2	37	0	36	54·0	- 1·5	55·4	+0·3
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	62	13th	43	17th	58·7	47·4	52·8	- 1·8	3	1·19	30	+11	Stonyhurst	4·6	+0·1	35	0	40	—	—	—	—
h Blackpool	66	63	13th	41	17th	60·6	50·0	55·1	- 0·8	4	0·94	24	+10	Blackpool	5·0	- 0·1	39	0	36	57·9	—	57·1	—
h Southport	37	63	14th	42	17th	60·5	50·3	55·2	- 0·6	4	1·13	29	+15	Southport	4·6	- 0·4	36	0	38	57·6	+0·2	59·7	+1·1
														Hoylake	4·3	- 0·5	33	—	—	—	—	—	—
t Liverpool (Bidston)	188	66	14th	47	17th	60·6	50·9	55·5	- 0·9	4	1·04	27	+15	Liverpool	3·7	—	28	0	40	—	—	—	—
a Hawarden Bridge	22	67	14th	43	17th	62·6	49·3	55·6	- 1·2	4	0·65	16	+ 7	Manchester City	3·5	- 0·3	27	0	42	58·5	+1·9	60·7	+2·3
p Manchester (Whit. Pk.)	125	66	14th	47	15 16 17	62·0	48·9	55·1	- 1·5	4	0·60	15	+ 3	„ Whit. Pk.	3·5	- 0·3	27	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	63	13th	46	17th	60·4	50·9	55·4	- 1·9	4	1·43	36	+25	Llandudno	4·5	- 0·7	35	—	—	—	—	—	—
t Holyhead	15	62	12 13 16	48	17th	60·7	51·3	55·8	- 1·0	4	1·50	38	+25	Holyhead	5·1	—	39	0	46	—	—	—	—
a Aberdovey	60	64	13, 14	47	17th	62·1	52·1	56·9	—	4	1·64	42	—	Aberdovey	4·8	- 0·7	38	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	65	12, 13	44	16th	62·4	51·4	56·6	—	4	1·44	37	—	Aberystwyth	4·4	− 1·1	34	—	—	—	—	—	—
a Rhayader	757	64	14th	35	16th	60·0	47·3	53·4	—	4	1·07	27	—	Rhayader ..	4·8	—	38	1	27	—	—	—	—
t Pembroke	149	63	13th	49	16th	60·9	54·4	57·5	+0·4	4	1·58	40	+28	Pembroke ..	2·7	− 2·6	21	—	—	—	—	—	—
p Cardiff	202	67	14th	43	16th	62·3	48·7	55·2	− 1·1	5	2·50	64	+50	Cardiff ..	4·4	—	35	0	32	59·7	+2·1	59·8	+1·6
b, ENGLAND, S.W.																							
h Bath	66	70	14th	39	16th	64·6	50·7	57·3	+0·5	5	1·67	42	+33	Bath	3·9	− 1·6	30	—	—	61·8	+1·8	61·7	+1·3
a Shaftesbury	722	67	13th	43	16th	62·7	47·1	54·5	− 1·7	4	1·50	38	+27	Shaftesbury ..	—	—	—	—	—	60·5	—	60·6	—
a Arlington	613	64	14th	43	16th	60·6	50·1	55·1	− 0·5	5	2·58	66	+48										
h Newquay	190	67	14th	44	16th	63·0	53·6	58·1	0·0	4	0·69	17	+5	Newquay ..	4·1	− 1·7	32	—	—	60·7	—	59·9	—
a Cullompton	202	73	13th	35	16th	66·0	49·6	57·4	+0·9	4	0·76	19	+9	Cullompton ..	4·2	− 0·9	33	1	27	61·6	—	—	—
t Portland Bill	19	67	12th	51	17th	63·7	56·0	59·7	+0·9	3	0·52	13	+5	Weymouth ..	4·3	—	33	—	—	—	—	—	—
p Plymouth	116	66	12th	44	16th	63·4	53·1	58·0	0·0	4	0·88	22	+11	Plymouth ..	4·3	− 1·4	34	0	34	60·9	+1·6	60·5	—
t Falmouth	167	67	14th	42	16th	63·4	53·1	58·0	+0·3	5	0·59	15	+2	Falmouth ..	4·2	− 1·6	33	0	36	61·3	—	63·0	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	59	11th	42	16th	56·6	47·6	51·9	− 4·1	5	0·52	13	− 5										
a Mallarany	120	62	17th	42	16th	59·1	46·7	52·6	—	3	0·76	19	—	Mallarany ..	4·6	—	36	0	33	—	—	—	—
p Markree Castle..	122	61	11, 16	38	16th	59·6	45·4	52·2	− 1·8	4	0·61	15	− 1	Markree Castle	3·8	0·0	30	0	33	57·3	− 0·4	57·1	+0·4
b, East .. *p* Armagh.. ..	204	61	11th	39	16th	58·4	44·6	51·2	− 3·2	3	0·62	16	+4	Armagh ..	5·2	+1·1	41	0	33	56·1	− 0·7	56·8	+0·2
t Donaghadee	35	61	14th	43	15th	58·3	47·6	52·7	− 2·5	3	0·72	18	+7										
														Trinity Coll.	—	—	—	2	27	57·8	+0·4	58·0	+0·9
10. IRELAND, S.														Phœnix Park	5·0	+0·1	39	0	33	—	—	—	—
p Dublin City	54	63	13th	44	16th	59·6	48·6	53·8	− 2·3	3	1·14	29	+20	Dublin City ..	—	—	—	0	38	—	—	—	—
t Birr Castle	175	62	13th	37	16th	59·4	44·9	51·8	− 2·7	3	1·47	37	+26	Birr Castle ..	4·4	0·0	34	0	32	—	—	—	—
a Kilkenny	195	67	13th	36	16th	60·9	44·9	52·5	− 2·5	3	0·60	15	+4										
a Waterford	137	64	13th	42	16th	60·7	47·3	53·7	− 2·3	3	0·58	15	+2										
p Seskin, Carrick-on-Suir	542	61	12, 13, 14	42	16th	59·4	46·3	52·5	—	3	0·62	16	—	Seskin ..	4·9	—	38	0	33	—	—	—	—
a Foynes	50	62	12, 13	43	16th	59·4	47·7	53·3	− 2·5	3	0·97	25	+8										
t Cahirciveen (Val. Obs.)	30	63	12th	40	16th	60·3	48·4	54·1	− 2·5	4	0·83	21	+2	Cahirciveen ..	3·7	− 1·0	29	0	37	—	—	—	—
a Killarney	174	66	13th	40	16th	62·4	47·1	54·4	− 2·0	4	1·19	30	+13	Ballinacurra	3·7	− 0·9	29	—	—	—	—	—	—
t Roche's Point	32	62	13th	44	16th	59·6	50·0	54·6	− 2·1	6	1·24	31	+17										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	66	13, 14	54	15th	63·6	56·4	59·8	+1·0	5	0·26	7	− 4	Scilly ..	4·4	− 1·7	34	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	73	14th	54	17th	67·0	58·1	62·3	+1·9	3	0·92	23	+12	St. Heliers ..	5·4	− 1·3	42	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	72	14th	55	16th	65·6	57·9	61·6	+1·1	5	0·78	20	+8	Guernsey† ..	4·5	− 2·2	35	0	49	64·3	+2·8	64·0	+2·5

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Grange.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 17th, 1921.

District and Station.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s. or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	15	2	10, 11, 14, 15	31	86	41	8	0	270	18	15	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	4	116	48	0	210	6	11	1	16	15	3	10
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	47	115	6	0	130	10	14	8 9	—	—	—	—
Edinburgh	485	39	31	—	0	11, 14, 15	20	48	80	20	0	240	15	14	21	23	11	4	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	11, 12, 14, 15	27	40	59	42	0	250	15	14	20	23	14	18	0
Paisley	188	81	15	—	0	—	0	45	96	27	0	280	11	15	1	23	15	2	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	4	72	40	43	230	6	14	22	15	15	0	10
South Shields	72	61	12	—	0	11	7	47	91	23	0	270	17	11	12	20	11	10	35
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	12, 17	11	74	75	8	0	90	13	17	19	17	14	9	40
Shoeburyness	103	90	‡	—	0	11, 12, 17	19	55	60	20	14	—	13	12	3	19	12	2	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	59	83	25	1	230	10	14	11	18	14	10	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	11 to 13	6	82	62	11	7	—	14	12	2	28	12	1	20
Butler's Cross, Larkhill ..	513	63	43	—	0	11, 13, 14, 17	15	111	42	0	0	360	16	11	23	20	11	23	5
Richmond (Kew Obs.) ..	82	65	22	—	0	17	4	61	78	25	0	80	12	17	10	21	12	1	0
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	11, 12, 14 to 16	47	55	61	5	0	290	15	15	2	—	—	—	—
Southport	80	62	48	—	0	11, 12, 14, 15	50	60	55	3	0	250	16	11	6	21	11	7	30
Holyhead	60	40	‡	—	0	11, 14 to 17	33	106	21	0	8	80	14	17	14	20	14	6	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	13, 16, 17	29	11 to 14, 16, 17	65	46	18	0	10	70	22	17	5	26	17	12	10
Plymouth	185	88	2	—	0	11, 13	11	92	45	0	20	—	13	11	19	20	17	6	30
Lyme Regis	556	61	‡	—	0	—	0	95	67	6	0	—	11	11	22	17	11	22	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	11, 14, 16, 17	33	79	50	6	0	70	14	17	18	—	—	—	—
Quilty	100	40	‡	—	0	14	7	90	52	19	0	—	11	14	12	16	11	0	30
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	12, 13	4	42	100	22	0	230	12	12	24	18	12	21	10
Weaver Pt.	160	30	‡	—	0	12, 14, 17	11	59	97	1	0	—	12	14	3	20	14 17	12 12	35 20
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	11, 12, 17,	23	65	57	23	0	280	14	12	2	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SEVENTH WEEK of 1921—September 11th to September 17th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	60	34	84·9	79·1	81·9	− 2·5	42	− 31	0	0	5	+1	1·22	31	+10	3·4	0·0	26	1008
Eastern.																			
1. SCOTLAND, EAST ..	63	30	86·0	78·8	82·3	− 2·4	47	− 31	0	0	4	+1	0·82	21	+ 9	4·8	+0·6	38	1010
2. ENGLAND, N.E. ..	70	39	88·7	81·4	84·9	− 0·9	80	− 12	0	0	3	+1	0·59	15	+ 8	4·8	− 0·1	37	1014
3. ENGLAND, EAST ..	73	40	91·3	83·4	87·2	+0·4	109	+ 5	0	0	4	+2	1·43	37	+28	4·2	− 1·2	33	1015
4. MIDLAND COUNTIES	70	34	90·3	81·8	85·9	− 0·3	92	− 4	0	0	4	+2	1·13	29	+21	4·0	− 0·8	31	1015
5. ENGLAND, S.E. ..	73	32	91·7	84·3	87·8	+0·4	117	+ 6	0	0	4	+2	0·87	22	+14	4·3	− 1·5	34	1016
Western.																			
6. SCOTLAND, WEST ..	63	36	87·1	80·3	83·5	− 1·7	62	− 22	0	0	5	+2	1·14	29	+12	—	—	—	1012
7. ENGLAND, N.W. ..	67	40	88·7	82·6	85·5	− 0·7	88	− 7	0	0	4	+1	1·10	28	+15	4·6	− 0·1	36	1014
8. ENGLAND, S.W. ..	73	35	90·1	83·6	86·7	− 0·1	102	− 2	0	0	4	+1	1·37	35	+23	4·1	− 1·3	32	1015
9. IRELAND, NORTH ..	62	37	87·7	80·8	84·1	− 1·5	70	− 19	0	0	4	0	0·79	20	+ 6	4·5	+0·6	35	1013
10. IRELAND, SOUTH ..	67	36	88·7	81·6	84·9	− 1·3	81	− 16	0	0	4	+1	1·00	25	+12	4·2	− 0·5	33	1014
11. ENGLISH CHANNEL..	73	54	91·6	87·2	89·2	+0·8	134	+10	0	0	4	+1	0·65	17	+ 6	4·7	− 1·9	37	1015
MEAN: DISTRICTS 1-10	73	30	89·0	81·9	85·3	− 0·8	85	− 10	0	0	4	+1	1·02	26	+15	4·4	− 0·5	34	1014
THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, August 28th to September 17th, 1921.																			
0. SCOTLAND, NORTH ..	73	33	87·0	80·7	83·7	− 0·9	194	− 36	0	0	14	0	3·31	84	+ 8	3·3	− 0·4	25	1010
Eastern																			
1. SCOTLAND, EAST ..	75	30	88·6	80·7	84·5	− 0·5	224	− 25	0	0	11	− 1	1·96	50	+ 6	5·0	+ 0·6	37	1012
2. ENGLAND, N.E. ..	80	39	91·2	82·3	86·5	+ 0·2	301	+ 7	0	0	8	− 1	1·72	44	+11	6·2	+ 1·3	46	1015
3. ENGLAND, EAST ..	85	37	93·6	83·6	88·4	+ 1·1	371	+ 40	0	0	7	− 2	1·56	41	+ 6	6·4	+ 0·9	48	1016
4. MIDLAND COUNTIES	84	34	92·7	82·1	87·1	+ 0·4	324	+ 17	0	0	9	0	1·93	49	+12	6·2	+ 1·4	47	1016
5. ENGLAND, S.E. ..	85	32	93·8	83·8	88·5	+ 0·6	377	+ 26	0	0	6	− 3	1·07	28	− 12	6·8	+ 1·0	51	1017
Western.																			
6. SCOTLAND, WEST ..	74	33	89·0	81·6	85·1	− 0·4	248	− 18	0	0	13	+2	3·16	81	+12	—	—	—	1014
7. ENGLAND, N.W. ..	81	37	90·4	82·9	86·4	− 0·1	298	− 1	0	0	10	− 1	2·39	60	+ 8	6·1	+ 1·4	45	1015
8. ENGLAND, S.W. ..	82	33	92·2	83·6	87·6	+ 0·4	344	+ 18	0	0	9	− 2	1·95	50	− 3	5·8	+ 0·5	44	1016
9. IRELAND, NORTH ..	73	36	89·2	82·0	85·4	− 0·4	260	− 16	0	0	11	− 2	2·01	51	− 3	4·0	0·0	30	1013
10. IRELAND, SOUTH ..	75	36	90·2	82·7	86·2	− 0·4	292	− 15	0	0	12	+1	2·18	55	+ 5	5·3	+ 0·7	39	1015
11. ENGLISH CHANNEL..	80	47	93·1	86·6	89·7	+ 1·0	421	+ 37	0	0	8	− 2	0·93	24	− 17	6·9	+ 0·5	52	1017
MEAN: DISTRICTS 1-10..	85	30	91·1	82·5	86·6	+ 0·1	304	+ 3	0	0	10	− 1	1·99	51	+ 4	5·8	+ 0·9	43	1015
THE YEAR. Aggregates, &c., for the Period of 37 Weeks, January 2nd to September 17th, 1921.																			
0. SCOTLAND, NORTH ..	81	16	85·0	78·4	81·6	+ 0·6	1780	+ 87	348	−191	162	− 8	35·34	900	+64	3·7	+ 0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·1	78·0	81·8	+ 0·5	1994	+ 94	451	−166	134	−11	18·77	475	− 49	4·7	+ 0·4	35	1014
2. ENGLAND, N.E. ..	92	22	87·6	79·6	83·5	+ 1·3	2584	+417	250	−222	110	−19	12·37	318	−102	5·0	+ 0·4	37	1016
3. ENGLAND, EAST ..	91	23	88·9	80·1	84·3	+ 1·5	2986	+497	227	−267	85	−40	8·99	231	−169	5·7	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	88·9	79·6	84·1	+ 1·5	2867	+432	253	−269	102	−22	12·58	321	−128	5·1	+ 0·6	38	1017
5. ENGLAND, S.E. ..	91	21	89·2	80·8	84·7	+ 1·3	3082	+443	170	−209	90	−31	9·16	235	−197	5·8	+ 0·6	44	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·5	79·4	82·8	+ 0·7	2311	+234	240	−176	154	+2	33·44	849	+81	—	—	—	1015
7. ENGLAND, N.W. ..	89	20	87·3	80·3	83·7	+ 1·1	2586	+329	161	−221	127	−10	20·35	518	− 61	5·1	+ 0·5	38	1017
8. ENGLAND, S.W. ..	89	22	88·4	80·7	84·4	+ 1·2	2898	+415	131	−170	112	−24	16·08	410	−205	5·6	+ 0·6	42	1018
9. IRELAND, NORTH ..	86	23	87·0	80·0	83·4	+ 1·0	2445	+292	148	−192	150	−17	22·03	557	− 85	4·1	+ 0·1	30	1015
10. IRELAND, SOUTH ..	90	23	88·1	80·7	84·2	+ 0·9	2814	+334	117	−143	143	− 4	22·73	580	− 87	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·6	82·8	85·8	+ 1·4	3304	+461	27	− 78	109	−30	11·57	294	−202	6·3	+ 0·3	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·8	79·9	83·7	+ 1·1	2657	+349	215	−204	121	−18	17·65	449	−100	5·1	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
23rd September, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 38.

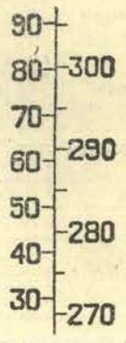
THIRTY-EIGHTH WEEK.

SUNDAY, SEPTEMBER 18TH, TO SATURDAY, SEPTEMBER 24TH, 1921.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week atmospheric conditions over the British Isles were anticyclonic, the weather fair and dry generally, though with a few showers in places. The winds were rather variable, and light or moderate in force. On Friday, the warmest day in most districts, maxima of 298a were recorded at several stations. Very warm nights were experienced in most parts of the country during the latter part of the week. On the night of Thursday over the northern parts of England and also in the south of Ireland the minimum temperature in many places did not descend below 289a, and on the following night at several stations in the more southern parts of England similar temperatures were recorded. The lowest of the screen minima were in Scotland E. where readings below the freezing point were registered at Balmoral and Gordon Castle on the 18th, while at Dundee on the morning of the 24th the grass thermometer registered a reading of 270a. The mean daily range of temperature was as much as 10a at several stations. The mean temperature for the week was above the normal in all districts, the excess ranging from 2·5a in England N.E. to 0·3a in Scotland N. Rainfall was less than the normal at every station except Lerwick and Deerness, and at a number of places the week was rainless. The largest measurements were 16mm. at Glencarron, 15mm. at Ford (Argyll) and 13mm. at Fort William on the 22nd. The mean amount of bright sunshine for the week varied a good deal in different parts of the country; the largest amounts were generally recorded at the beginning or towards the end of the week when between 9 and 10 hours were registered at a large number of stations; the largest amounts were 10·9 hours at Guernsey on the 23rd and at Southport on the 24th, 10·8 hours at Harrogate on the 24th and also at Aspatria and Douglas (Isle of Man) on the 18th. The mean departure from the normal ranged from +2·3 hours at Scarborough to −3·4 hours at Southampton and Cullompton. Solar halos were observed at Ross-on-Wye on the 21st and at Oxford on the 18th and 22nd.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	5·0	16	2·8	8	4·6	2	0·5	13	4·1	1	0·3	13	2·6	9	3·0
North	2	1·7	1	2·9	17	1·8	11	2·2	5	4·1	5	10·8	6	2·1	4	0·5
West	13	5·7	17	4·2	13	2·0	5	2·2	13	2·8	0	0·0	13	3·5	7	2·1
East	14	2·4	3	2·9	11	7·0	8	4·0	10	6·1	8	4·2	7	5·0	9	1·8
Calm	1	—	8	—	3	—	15	—	4	—	19	—	7	—	12	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Very Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very Unusual	Unusual	Unusual	Unusual
	Rainfall ..	Moderate	Light	Light	Light	Nought	Light	Light	Light	Nought	Light	Light	Light
	Sunshine ..	Abundant	Moderate	Abundant	Moderate	Moderate	Scanty	—	Abundant	Very Scanty	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 4 weeks from August 28th, 1921.	Warmth ..	1, 1, 2	1, 1, 2	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	2, 0, 2	2, 1, 1	2, 2, 0	2, 0, 2	2, 0, 2	3, 1, 0
	Rainfall ..	1, 3, 0	2, 0, 2	2, 0, 2	1, 0, 3	1, 1, 2	1, 0, 3	1, 2, 1	1, 1, 2	1, 0, 3	0, 3, 1	1, 2, 1	0, 1, 3
	Sunshine ..	2, 1, 1	2, 2, 0	2, 2, 0	1, 2, 1	1, 3, 0	1, 1, 2	—	2, 2, 0	1, 0, 3	2, 1, 1	2, 1, 1	1, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	57	22nd	40	23rd	53·6	46·1	49·7	- 0·2	5	0·83	21	+ 8										
a, Islands *p* Deerness, Orkney	165	60	22nd	45	18th	55·4	47·6	51·3	+0·6	5	0·55	14	+ 1	Deerness	2·7	- 0·4	22	—	—	—	—	—	—
t Stornoway	51	61	19th	38	18th	58·3	47·7	52·8	+1·6	5	0·33	9	- 9	Stornoway	4·9	+1·5	40	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	64	22nd	42	21st	57·6	47·0	52·1	+1·0	4	0·22	6	- 5										
a Strathpeffer	125	65	21, 22	30	18th	60·9	43·0	51·5	- 0·3	3	0·27	7	- 3										
b, Main- *p* Glencarron	500	62	19th	32	18th	57·9	44·3	50·8	0·0	5	1·24	31	- 3										
land. *a* Fort Augustus	68	63	182021	30	18th	61·3	44·7	52·6	+0·7	2	0·57	14	- 1										
p Fort William	171	65	20th	36	18th	61·1	46·1	53·2	+0·5	4	1·01	26	- 2										
1. SCOTLAND, E.																							
t Nairn	82	66	22nd	31	18th	61·4	42·1	51·3	- 0·4	4	0·37	9	- 4	Nairn	5·8	—	47	—	—	—	—	—	—
p Gordon Castle	101	71	22nd	31	18th	62·6	44·0	52·9	+0·7	2	0·09	2	- 13	Gordon Castle	5·5	—	44	—	—	—	—	—	—
t Aberdeen	46	72	22nd	45	24th	63·1	49·7	56·1	+4·0	2	0·10	3	- 10	Aberdeen	4·2	+0·4	34	0	34	—	—	53·2	+0·7
a Balmoral	930	68	22nd	35	18th	60·3	43·0	51·2	+2·3	2	0·11	3	- 11	Balmoral	—	—	—	1	30	—	—	—	—
p Crieff	432	66	22nd	44	21, 23	60·4	46·7	53·2	+0·6	2	0·12	3	- 14	Crathes	3·6	0·0	29	1	30	51·2	—	51·2	—
a Dundee	244	68	22nd	39	24th	62·0	46·1	53·7	+1·3	3	0·04	1	- 11	Dundee	3·5	—	29	2	27	54·0	—	—	—
t Inchkeith (F. of Forth)	190	68	22nd	48	21st	60·0	50·7	55·1	—	1	0·01	0·2	—	Inchkeith (F. of Forth)	—	—	—	0	42	—	—	—	—
p Edinburgh	441	71	22nd	45	21st	61·1	48·3	54·4	+1·9	2	0·06	1	- 10	Edinburgh	3·4	- 0·4	27	0	36	—	—	—	—
a West Linton	760	62	22nd	32	21st	59·0	43·0	50·6	+1·5	3	0·19	5	—	West Linton	—	—	—	1	30	—	—	—	—
a Marchmont	498	—	—	41	21st	—	46·4	—	—	0	0·00	0	- 14	Marchmont	3·0	- 0·8	24	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	62	192122	41	21st	60·6	48·4	54·2	—	4	1·25	32	—	Ford (Argyll)	—	—	—	0	37	55·0	—	55·8	—
t Renfrew	49	67	22nd	41	21st	61·0	48·0	54·2	—	4	0·21	5	—	Renfrew	3·2	—	26	1	30	—	—	—	—
p Rothesay	200	65	22nd	45	18th	59·7	49·0	54·1	+1·0	6	0·46	12	- 11	Rothesay	3·0	—	24	0	39	53·7	—	54·6	+0·8
a Kilmarnock	90	68	22nd	41	18th	63·6	48·1	55·5	+3·5	3	0·41	10	- 8	Kilmarnock	3·7	—	30	—	—	54·1	—	54·6	—
a Colmonell	170	72	22nd	37	18th	65·0	47·6	55·9	+3·2	4	0·39	10	- 9	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	68	22nd	40	21st	63·1	47·0	54·7	+1·4	0	0·00	0·1	- 14	Dumfries	4·3	—	35	0	34	55·2	+0·6	55·2	- 1·5
t Eskdalemuir	794	62	22nd	34	21st	59·7	45·6	52·3	—	3	0·15	4	—	Eskdalemuir	3·0	—	24	1	29	—	—	—	—
b, I. OF MAN *h* Douglas	284	69	22nd	48	21st	64·3	52·9	58·3	+4·7	1	0·05	1	- 17	Douglas	5·6	+1·2	45	0	43	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	67	24th	39	24th	63·7	49·6	56·3	+3·8	1	0·02	0·4	- 12	Cockle Park	4·7	+0·7	38	0	31	53·9	+2·1	53·3	+0·4
t Tynemouth	118	73	22nd	36	24th	64·1	52·6	58·1	+4·9	1	0·04	1	- 9										
p Durham	336	72	22nd	44	21st	65·7	48·1	56·5	+3·7	1	0·04	1	- 9	Durham	4·8	+1·1	39	0	32	—	—	—	—
a North *p* Rounton	249	71	22nd	45	19, 24	65·9	49·4	57·3	+4·9	0	0·00	0	- 9	Rounton	—	—	—	0	34	55·7	—	—	—
a West Witton	605	67	23rd	35	21st	64·7	50·4	57·2	—	1	0·03	1	—	West Witton	—	—	—	0	37	54·1	—	53·8	—
h Scarborough	118	75	23rd	51	24th	66·9	54·6	60·5	+5·8	1	0·03	1	- 9	Scarborough †	6·6	+2·3	53	—	—	—	—	58·2	—
p York	56	73	23rd	46	22nd	67·7	50·4	58·6	+4·3	1	0·02	1	- 8	York	6·0	+2·2	49	—	—	57·4	+1·5	57·3	+1·2
t Spurn Head	26	69	22, 23	50	18th	65·1	53·6	59·1	+3·6	2	0·03	1	- 7										
b, South *a* Lincoln	58	73	22, 23	48	21st	67·7	52·4	59·7	+4·8	1	0·01	0	- 8	Lincoln	—	—	—	0	46	57·3	+1·6	58·3	+1·8
t Cranwell	237	72	22, 23	49	19th	66·0	52·0	58·7	+3·7	2	0·02	1	- 8	Cranwell	4·6	0·0	37	0	43	—	—	—	—
														Skegness	6·3	+1·4	51	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	76	23rd	50	22nd	66·7	53·6	59·8	+3·4	4	0·04	1	- 7	Cromer	6·1	+1·2	49	—	—	—	—	—	—
a Little Massingham	277	74	23rd	49	21, 22	66·4	52·6	59·2	+4·7	3	0·04	1	- 9	Lit Massingham	5·4	+0·8	44	—	—	—	—	—	—
t Yarmouth	13	77	23rd	48	21st	65·9	55·4	60·4	+4·3	1	0·20	5	- 4	Yarmouth	5·5	—	44	0	42	60·4	+2·3	60·0	+0·8
a Norwich	93	75	23rd	48	22nd	67·3	54·0	60·3	+4·6	1	0·01	0	- 10	Norwich	4·7	—	38	0	41	58·9	—	—	—
a Geldeston	37	73	23rd	46	22nd	67·6	52·6	59·7	+3·9	1	0·02	0·4	- 9	Geldeston	?	?	?	—	—	—	—	—	—
p Cambridge	41	77	23rd	45	22nd	69·6	50·7	59·7	+3·9	1	0·04	1	- 6	Cambridge	4·6	- 0·3	37	0	39	59·9	+2·9	60·2	+2·0
t Clacton-on-Sea	54	70	23rd	50	22nd	65·4	55·4	60·2	+3·6	2	0·03	1	- 7	Clacton-on-Sea	3·9	- 1·8	32	0	47	60·0	+2·3	60·3	+1·7
a Rothamsted	420	72	22, 23	45	22nd	66·6	52·7	59·3	+4·6	0	0·01	0·3	- 9	Rothamsted	3·5	- 1·4	28	0	39	57·7	—	—	—
p Tottenham	51	75	23rd	50	22nd	69·1	54·7	61·6	—	1	0·25	1	—	Tottenham	1·6	—	13	0	48	—	—	63·6	+3·7
														Southend	3·7	—	30	0	49	61·6	+1·7	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	70	23rd	46	21st	65·0	50·3	57·3	+4·5	1	0·02	0·4	- 10	Harrogate	5·5	+1·3	44	0	38	55·1	+1·5	55·0	+0·9
a North *p* Sheffield	429	72	22, 23	48	21st	66·1	52·6	59·0	—	2	0·02	1	—	Sheffield	4·7	+0·9	38	0	38	56·3	+1·7	56·2	+1·3
h Buxton	987	71	22nd	46	18th	63·4	51·3	57·1	+6·0	1	0·05	1	- 16	Buxton	5·6	—	45	0	40	55·6	+2·2	56·6	+2·2
a Worksop	56	76	23rd	44	21st	68·9	50·7	59·4	+5·3	0	0·00	0	- 8	Worksop	5·0	+1·2	40	0	35	57·4	—	56·8	—
t Nottingham	82	73	23rd	46	21st	66·4	52·6	59·2	+4·7	0	0·00	0	- 9	Nottingham	4·1	+0·1	33	0	45	57·4	+2·6	57·8	+1·0
b, East *p* Birmingham, Edgbsn.	525	71	23rd	48	18th	65·7	51·9	58·5	+4·0	0	0·00	0	- 10	Birmingham	2·2	- 1·3	18	0	40	55·0	+2·0	54·9	+1·7
a Raunds	203	76	22, 23	47	22nd	68·4	52·3	60·0	+4·5	0	0·00	0	- 8	Raunds	4·0	—	33	0	42	59·3	—	—	—
p Oxford	208	73	23rd	49	22nd	67·7	53·4	60·2	+4·8	0	0·00	0	- 9	Oxford	2·5	- 2·1	21	0	44	—	—	—	—
														Malvern	2·6	—	21	0	43	59·0	—	59·8	—
a Cheadle (N. Staffs.)	646	71	23.d	48	18th	65·0	51·9	58·1	+4·9	0	0·00	0	- 13	Cheadle	—	—	—	0	41	—	—	—	—
c, West *p* Tenbury	313	71	23rd	43	24th	66·4	49·3	57·4	+3·6	0	0·00	0	- 8	Tenbury	—	—	—	0	39	57·5	—	—	—
a Hereford	291	70	21st	48	22nd	66·0	51·4	58·4	+4·1	0	0·00	0	- 9	Ross on Wye	2·2	—	18	0	43	57·7	—	59·5	—
a Clifton	225	68	22, 23	46	18th	64·7	51·7	57·9	+1·2	0	0·00	0	- 13	Clifton	3·1	—	25	0	48	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	71	21, 23	41	22nd	66·6	50·9	58·4	+5·0	0	0·00	0·1	- 10	Worthing	3·7	- 2·0	30	0	40	59·5	+1·3	60·5	+1·2
a Porton	340	72	21, 23	40	22nd	67·5	49·9	58·3	—	0	0·00	0	—	Marlborough	2·3	- 2·1	19	0	38	58·2	—	57·8	—
a Wisley, Surrey	150	76	23rd	44	22nd	68·7	53·0	60·5	+5·2	0	0·00	0	- 10	Porton	—	—	—	0	34	58·5	—	—	—
h Tunbridge Wells	354	76	22, 23	43	22nd	69·0	51·3	59·7	+4·0	1	0·05	1	- 10	Wisley, Surrey	2·4	- 2·5	20	0	34	58·9	+2·1	59·1	+1·3
h Margate	51	73	23rd	54	22nd	65·6	57·3	61·3	+3·5	1	0·05	1	- 9	Tunbridge Wells	3·0	- 2·3	24	0	33	59·4	+1·9	59·8	—
														Margate	4·0	- 1·2	32	0	49	62·3	+4·7	63·5	+5·3
t Dungeness	21	68	21, 22	46	22nd	66·0	54·3	59·9	+2·7	2	0·05	1	- 9	Folkestone	4·3	—	35	—	—	—	—	62·2	—
h St. Leonards	178	70	23rd	53	22nd	66·4	56·0	61·0	+3·7	1	0·05	1	- 10	St. Leonards	3·8	- 1·8	31	0	44	60·8	—	61·5	—
p Southampton	64	75	23rd	47	22nd	69·6	54·6	61·7	+4·4	0	0·00	0	- 11	Southampton	2·0	- 3·4	16	0	39	—	—	—	—
a Ventnor	59	72	21, 23	54	18, 22	67·7	56·7	61·9	+3·5	0	0·00	0·1	- 12	Ventnor	3·6	- 1·9	29	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	73	23rd	48	22nd	67·9	54·2	60·7	+4·7	0	0·00	0·1	- 9	Richmond	2·1	- 2·6	17	0	37	58·8	+2·3	59·2	+2·0
a Westminster	27	76	23rd	49	22nd	69·0	55·9	62·1	+4·9	0	0·00	0	- 8	Westminster	1·9	- 2·3	15	0	41	—	—	—	—
ag Greenwich	149	78	23rd	48	22nd	69·9	54·1	61·6	+4·9	0	0·00	0	- 8	Greenwich	1·9	- 2·9	16	0	33	—	—	—	—
a Hampstead	450	72	21, 23	48	22nd	67·7	52·6	59·8	—	1	0·02	1	—	Hampstead	2·5	—	20	0	39	—	—	—	—
ag Camden Square	110	77	23rd	49	22nd	70·0	54·9	62·1	+4·6	1	0·02	1	- 8	Camden Square	—	—	—	0	46	59·4	—	59·7	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	64	19, 22	40	18th	61·7	47·7	54·4	+1·1	1	0·11	3	- 14	Aspatria	4·4	0·0	36	0	33	53·3	- 1·0	54·3	- 0·3
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	68	22nd	47	18th	63·3	52·3	57·5	+4·1	2	0·19	5	- 15	Stonyhurst	5·9	+1·9	48	0	43	—	—	—	—
h Blackpool	66	68	22, 23	43	18th	64·9	49·9	57·0	+2·3	1	0·04	1	- 14	Blackpool	5·3	+0·7	43	0	37	56·7	—	56·4	—
h Southport	37	70	22nd	45	18th	64·0	51·4	57·4	+2·8	2	0·04	1	- 14	Southport	5·5	+1·0	44	0	38	57·0	+1·0	58·1	+0·4
														Hoylake	5·1	+0·7	41	—	—	—	—	—	—
t Liverpool (Bidston)	188	71	22nd	48	18, 19	63·9	52·4	57·9	+2·7	1	0·04	1	- 12	Liverpool	4·6	—	37	0	41	—	—	—	—
a Hawarden Bridge	22	75	22nd	46	18th	66·7	53·0	59·5	+4·0	1	0·02	0·4	- 10	Manchester City	4·7	+1·2	38	0	45	58·0	+2·4	59·7	+1·9
p Manchester (Whit. Pk.)	125	73	22nd	49	18th	66·3	54·3	60·0	+4·6	0	0·00	0	- 12	„ Whit. Pk.	4·7	+1·3	38	—	—	—	—	—	—
8. NORTH WALES.																							
h Llandudno	22	69	22nd	47	21st	64·4	53·4	58·6	+2·5	1	0·12	3	- 9	Llandudno	5·2	+0·4	42	—	—	—	—	—	—
t Holyhead	15	67	23rd	47	21st	63·4	53·1	58·0	+2·4	1	0·03	1	- 13	Holyhead	4·6	—	37	0	38	—	—	—	—
a Aberdovey	60	68	24th	51	20th	65·0	55·3	59·9	—	3	0·06	2	—	Aberdovey	4·3	- 0·7	35	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.										
h Aberystwyth	16	68	18th	51	21st	64·4	56·0	60·0	—	2	0·04	1	—	Aberystwyth	4·8	− 0·3	39	—	—	—	—	—	—
a Rhayader	757	66	21, 23	47	21st	63·4	52·0	57·4	—	0	0·00	0	—	Rhayader ..	2·7	—	22	0	37	—	—	—	—
t Pembroke	149	65	18th	53	18, 19, 21	62·3	55·7	58·8	+2·8	0	0·00	0	− 14	Pembroke ..	2·8	− 2·2	22	—	—	—	—	—	—
p Cardiff	202	68	23rd	50	18, 22	65·1	53·6	59·1	+3·9	0	0·00	0	− 16	Cardiff ..	2·3	—	19	0	42	58·9	+2·5	59·1	+1·7
b, ENGLAND, S.W.																							
h Bath	66	71	21, 22	40	21st	67·6	52·9	59·9	+4·2	1	0·04	1	− 9	Bath	—	—	—	—	—	—	—	—	—
a Shaftesbury	722	70	22, 23	48	21st	66·3	51·4	58·5	+3·4	0	0·00	0	− 12	Shaftesbury ..	—	—	—	—	—	58·5	—	59·6	—
a Arlington	613	66	21, 22, 24	49	21st	64·6	53·7	58·9	+4·4	1	0·02	1	− 20										
h Newquay	190	64	18, 22, 23	51	22nd	63·1	56·0	59·4	+2·4	1	0·01	0·2	− 14	Newquay ..	2·1	− 3·2	17	—	—	60·1	—	59·4	—
a Cullompton	202	79	20th	48	21st	69·6	54·7	61·8	+6·4	1	0·01	0·3	− 11	Cullompton ..	1·4	− 3·4	12	0	38	59·8	—	—	—
t Portland Bill	19	69	21st	53	18th	65·7	56·9	61·1	+3·4	0	0·00	0	− 10	Weymouth ..	3·3	—	27	—	—	—	—	—	—
p Plymouth	116	71	21, 23	52	22nd	68·0	56·0	61·7	+4·8	0	0·00	0	− 12	Plymouth ..	2·4	− 2·9	20	0	46	59·7	+1·6	59·7	—
t Falmouth	167	70	21st	51	22nd	66·0	56·1	60·8	+4·2	0	0·00	0	− 15	Falmouth ..	2·9	− 2·5	23	0	48	61·3	—	62·2	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point	10	62	18th	?45	24th	59·9	52·4	56·0	+0·9	5	0·51	13	− 7										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle..	122	73	22nd	43	18th	63·4	47·9	55·3	+2·2	3	0·42	11	− 7	Markree Castle	3·6	0·0	29	0	34	57·5	+0·8	56·3	0·0
b, East .. *p* Armagh.. ..	204	71	22nd	44	18th	63·0	50·1	56·2	+2·7	4	0·19	5	− 8	Armagh ..	4·1	+0·2	33	0	35	56·0	+0·1	55·7	− 0·3
t Donaghadee	35	72	22nd	46	24th	62·3	53·4	57·6	+3·3	3	0·18	5	− 8										
10. IRELAND, S.														Trinity Coll.	—	—	—	0	34	58·2	+1·8	57·0	+0·5
p Dublin City	54	72	22nd	51	21, 24	64·7	54·6	59·4	+4·0	1	0·01	0·3	− 11	Phœnix Park	5·0	+0·4	40	0	40	—	—	—	—
t Birr Castle	175	?72	22nd	43	18th	64·9	51·3	57·8	+4·0	4	0·14	4	− 10	Dublin City ..	—	—	—	0	45	—	—	—	—
a Kilkenny	195	72	22nd	47	18, 21	65·6	51·3	58·1	+3·8	1	0·09	2	− 12	Birr Castle ..	3·7	− 0·4	30	0	34	—	—	—	—
a Waterford	137	70	22nd	48	21st	65·1	53·3	58·9	+3·6	1	0·07	2	− 14										
p Seskin, Carrick-on-Suir	542	73	22nd	47	21, 24	65·4	51·7	58·2	—	2	0·02	1	—	Seskin ..	4·0	—	32	0	38	—	—	—	—
a Foynes	50	71	22nd	45	18th	63·9	51·3	57·3	+2·2	4	0·17	4	− 15										
t Cahirciveen (Val. Obs.)	30	67	22nd	50	21st	62·4	53·9	58·0	+2·1	3	0·11	3	− 21	Cahirciveen ..	1·8	− 2·6	15	0	43	—	—	—	—
a Killarney	174	71	22nd	49	18th	65·9	52·6	58·9	+3·2	4	0·06	2	− 19	Ballinacurra	2·1	− 2·3	17	—	—	—	—	—	—
t Roche's Point	32	67	22nd	51	21st	63·0	55·4	59·0	+3·0	4	0·05	1	− 16										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	67	23rd	51	22nd	64·6	55·9	60·0	+2·1	3	0·04	1	− 11	Scilly ..	2·9	− 3·1	23	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	71	21, 23, 24	52	23rd	69·3	56·4	62·5	+3·0	0	0·00	0	− 12	St. Heliers ..	6·7	+0·2	54	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	74	23rd	54	23rd	70·6	56·6	63·3	+3·7	1	0·01	0·2	− 13	Guernsey† ..	7·6	+1·1	62	0	44	62·8	+2·6	63·2	+2·2

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Grange.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, September 24th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	0	19, 20, 22, 23	12	103	49	4	0	250	13	22	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	2	103	63	0	210	6	22	15	12	22	15	30
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	13	128	27	0	220	7	22	17	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	28	108	32	0	220	9	22	10	16	22	10	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	23	5	37	71	53	2	230	13	23	6	18	23	8	25
Paisley	188	81	15	—	0	—	0	19	112	33	4	280	9	22	18	21	22	12	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	7	76	40	45	230	7	22	20	14	22	12	45
South Shields	72	61	12	—	0	—	0	16	92	60	0	280	9	22	12	15	22	12	15
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	18, 19	30	16	104	18	0	120	15	18	8	19	18	8	45
Shoeburyness	103	90	‡	—	0	18	8	21	54	85	0	80	13	18	7 8	17	18	8	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	10	67	91*	0	70	9	18	11	16	18	10	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	17	104	47	0	—	8	18	3	13	18	2	15
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	21	145	2	0	50	11	18	10	14	18	10	0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	10	54	104	0	70	10	18	10	16	18	8	55
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	47	116	5	0	330	9	24	2	—	—	—	—
Southport	80	62	48	—	0	—	0	63	92	13	0	100	11	18	11	15	18	10	50
Holyhead	60	40	‡	—	0	18	5	86	64	13	0	80	12	18	7	16	18	7	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	18	16	32	72	25	23	70	17	18	3	20	18	3	30
Plymouth	185	88	2	—	0	—	0	15	52	82	19	—	7?	18	12	16	18	12	15
Lyme Regis	556	61	‡	—	0	—	0	6	53	109	0	—	7	18	1	11	18	0	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	18	5	32	96	35	0	80	12	18	3	—	—	—	—
Quilty	100	40	‡‡‡	—	0	—	0	71	94	3	0	—	9	23	11	13	21	14	30
Cahirciveen (Val. Obs.) ..	98	41	‡‡‡	—	0	—	0	19	109	40	0	190	8	21	12	12	21	13	20
Weaver Pt.	160	30	‡	—	0	—	0	25	133	10	0	—	8	18	11	13	18	10	50
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	—	0	19	51	98	0	90 100	9	18	12 14	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-EIGHTH WEEK of 1921—September 18th to September 24th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	65	30	87·8	80·6	84·0	+0·3	69	+ 4	0	0	4	0	0·64	16	− 1	3·8	+0·7	31	1020
Eastern.																			
1. SCOTLAND, EAST ..	72	31	89·1	80·6	84·6	+0·7	76	+ 9	0	− 1	2	− 1	0·12	3	−10	3·9	+0·2	32	1023
2. ENGLAND, N.E. ..	75	39	91·8	83·8	87·6	+2·5	114	+31	0	0	1	− 2	0·02	1	− 8	5·5	+1·2	44	1025
3. ENGLAND, EAST ..	77	45	92·6	84·9	88·6	+2·5	126	+30	0	0	2	− 1	0·05	1	− 8	4·4	− 0.6	36	1025
4. MIDLAND COUNTIES	76	43	92·1	83·9	87·8	+2·4	116	+29	0	− 1	0	− 3	0·00	0	−10	3·7	− 0·6	30	1025
5. ENGLAND, S.E. ..	76	40	92·7	85·1	88·7	+2·1	128	+27	0	0	1	− 2	0·02	1	− 9	3·1	− 2·2	25	1025
Western.																			
6. SCOTLAND, WEST ..	72	37	89·9	82·3	85·9	+1·3	93	+18	0	0	3	0	0·40	10	−10	—	—	—	1025
7. ENGLAND, N.W. ..	75	40	90·9	84·2	87·4	+1·9	111	+24	0	0	1	− 2	0·07	2	−12	5·1	+0·8	41	1025
8. ENGLAND, S.W. ..	79	40	91·8	85·4	88·4	+2·2	125	+29	0	0	0	− 3	0·00	0	−14	2·7	− 2·2	22	1026
9. IRELAND, NORTH ..	73	43	90·1	83·6	86·7	+1·6	102	+19	0	0	4	0	0·29	8	− 7	3·9	+0·1	31	1024
10. IRELAND, SOUTH ..	72	43	91·0	84·7	87·7	+1·9	115	+24	0	0	3	− 1	0·09	2	−15	3·2	− 1·3	26	1025
11. ENGLISH CHANNEL..	74	51	93·1	86·5	89·6	+1·7	139	+21	0	0	1	− 2	0·02	1	−11	5·7	− 0·7	46	1025
MEAN: DISTRICTS 1-10	79	31	91·2	83·9	87·3	+1·9	111	+24	0	0	2	− 2	0·11	3	−10	4·0	− 0·5	32	1025
	THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, August 28th to September 24th, 1921.																		
0. SCOTLAND, NORTH ..	73	30	87·2	80·7	83·8	− 0·6	263	− 32	0	0	18	0	3·95	100	+ 7	3·5	−0·1	26	1012
Eastern																			
1. SCOTLAND, EAST ..	75	30	88·7	80·7	84·6	− 0·1	300	− 16	0	− 1	13	− 2	2·08	53	− 4	4·8	+ 0·5	36	1015
2. ENGLAND, N.E. ..	80	39	91·4	82·7	86·8	+ 0·8	415	+ 38	0	0	9	− 3	1·74	45	+ 3	6·0	+ 1·2	46	1017
3. ENGLAND, EAST ..	85	37	93·4	83·9	88·4	+ 1·4	497	+ 70	0	0	9	− 3	1·61	42	− 2	5·9	+ 0·6	45	1019
4. MIDLAND COUNTIES	84	34	92·6	82·5	87·3	+ 0·9	440	+ 46	0	− 1	9	− 3	1·93	49	+ 2	5·6	+ 0·9	43	1018
5. ENGLAND, S.E. ..	85	32	93·6	84·1	88·6	+ 1·0	505	+ 53	0	0	7	− 5	1·09	29	− 21	5·9	+ 0·2	45	1019
Western.																			
6. SCOTLAND, WEST ..	74	33	89·2	81·8	85·3	0·0	341	0	0	0	16	+2	3·56	91	+ 2	—	—	—	1017
7. ENGLAND, N.W. ..	81	33	90·5	83·1	86·6	+ 0·3	405	+ 19	0	0	11	− 3	2·46	62	− 4	5·8	+ 1·2	44	1018
8. ENGLAND, S.W. ..	82	33	92·1	84·0	87·8	+ 0·9	469	+ 47	0	0	9	− 5	1·95	50	− 17	5·0	− 0·2	39	1019
9. IRELAND, NORTH ..	73	36	89·5	82·4	85·7	0·0	362	+ 3	0	0	15	− 2	2·30	59	− 10	4·0	0·0	30	1016
10. IRELAND, SOUTH ..	75	36	90·4	83·2	86·6	+ 0·2	407	+ 9	0	0	15	0	2·27	57	− 10	4·7	+ 0·1	36	1018
11. ENGLISH CHANNEL..	80	47	93·1	86·6	89·7	+ 1·2	560	+ 58	0	0	9	− 4	0·95	25	− 28	6·6	+ 0·2	51	1019
MEAN: DISTRICTS 1-10..	85	30	91·1	82·8	86·8	+ 0·5	414	+ 27	0	0	11	− 2	2·10	54	− 6	5·3	+ 0·5	41	1018
	THE YEAR. Aggregates, &c., for the Period of 38 Weeks, January 2nd to September 24th, 1921.																		
0. SCOTLAND, NORTH ..	81	16	85·1	78·5	81·6	+ 0·5	1849	+ 91	348	−191	166	− 8	35·98	916	+63	3·7	+0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·1	78·1	81·9	+ 0·5	2070	+103	451	−167	136	−12	18·89	478	− 59	4·7	+ 0·4	35	1014
2. ENGLAND, N.E. ..	92	22	87·8	79·8	83·6	+ 1·4	2698	+448	250	−222	111	−21	12·39	319	−110	5·0	+ 0·4	37	1016
3. ENGLAND, EAST ..	91	23	89·0	80·2	84·4	+ 1·5	3112	+527	227	−267	87	−41	9·04	232	−177	5·7	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	89·0	79·7	84·2	+ 1·5	2983	+461	253	−270	102	−25	12·58	321	−138	5·1	+ 0·6	38	1018
5. ENGLAND, S.E. ..	91	21	89·3	80·9	84·8	+ 1·3	3210	+470	170	−209	91	−33	9·18	236	−206	5·7	+ 0·5	43	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·6	79·4	82·9	+ 0·8	2404	+252	240	−176	157	+2	33·84	859	+71	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·4	80·4	83·8	+ 1·2	2693	+349	161	−221	128	−12	20·42	520	− 73	5·1	+ 0·5	38	1017
8. ENGLAND, S.W. ..	89	22	88·5	80·9	84·5	+ 1·2	3023	+444	131	−170	112	−27	16·08	410	−219	5·5	+ 0·5	41	1019
9. IRELAND, NORTH ..	86	23	87·1	80·1	83·5	+ 1·0	2547	+311	148	−192	154	−17	22·32	565	− 92	4·1	+ 0·1	31	1015
10. IRELAND, SOUTH ..	90	23	88·2	80·8	84·3	+ 1·0	2929	+358	117	−143	146	− 5	22·82	582	−102	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·7	82·9	86·0	+ 1·5	3443	+482	27	− 78	110	−32	11·59	295	−213	6·3	+ 0·3	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·9	80·0	83·8	+ 1·1	2767	+372	215	−204	122	−19	17·76	452	−111	5·1	+ 0·4	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
30th September, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 153

British Meteorological and Magnetic Year-Book. Part I.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 39.

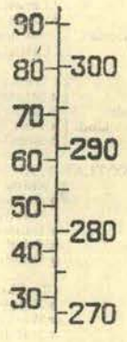
THIRTY-NINTH WEEK.

SUNDAY, SEPTEMBER 25TH, TO SATURDAY, OCTOBER 1ST, 1921.

Price 6d. Net. Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions were maintained until quite the end of the week and fine warm weather prevailed over Great Britain generally. On Saturday, however, depressions were indicated over Scandinavia and to the westward of the British Isles when rather heavy falls of rain occurred in some parts of Scotland and Ireland; amongst the largest measurements were 32mm. at Crieff (Perthshire), 31mm. at Kilmarnock, 27mm. at Colmonell (Ayrshire) and 16mm. at Roche's Point (Cork Harbour). Over England the week was practically rainless. Heavy dews and slight fog or mist were reported at a number of stations. The highest of the maximum temperatures were on the last day of the period when readings of 296a were recorded in several places. At a few stations the screen minima fell slightly below the freezing point, notably in England S.E. where readings of 272a were registered; the grass thermometer recorded readings as low as 269a. The mean temperature for the week was above the normal in all districts, the excess ranging from 1·5a in Scotland W. to 0·2a in England E. and the Midland Counties. The mean daily range of temperature was about 14a in many places, and at Tenbury and Marlborough it was as much as 17a (30°F). Abundant sunshine was recorded on various days during the week and a large number of stations registered between 10 and 11 hours; 11 hours were totalled at Clacton on the 25th, Rhayader (Radnor) and Aberystwyth on the 26th and also at Worthing and Jersey on the 28th. The mean amount for the week was above the normal at most stations; the departure from the normal ranged from +4·6 hour at St. Leonard's to −2·7 hour at Stornoway. Solar halos were observed at Aberdeen on September 27th, at Hodsock Priory (Worksop), Oxford, Ross-on-Wye, Tenbury and Aberdovey on the 30th and again at Oxford and Ross-on-Wye on October 1st.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	12	3·9	—	—	—	—	3	1·1	10	2·0	14	2·6	13	3·1	12	1·6
North	12	2·3	—	—	—	—	5	2·1	10	2·4	6	1·1	3	1·1	4	0·8
West	21	4·4	—	—	—	—	0	0·0	4	0·8	0	0·0	3	3·5	3	1·9
East	3	3·9	—	—	—	—	10	3·0	13	2·1	28	5·4	12	2·4	4	3·1
Calm	1	—	—	—	—	—	18	—	7	—	0	—	11	—	11	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ..	Very Light	Light	Nought	Nought	Nought	Nought	Light	Nought	Nought	Light	Light	Very Light
	Sunshine ..	Very Scanty	Moderate	Moderate	Abundant	Abundant	Very Abundant	—	Very Abundant	Very Abundant	Moderate	Abundant	Very Abundant

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 5 weeks from August 28th, 1921.	Warmth ..	2, 1, 2	2, 1, 2	3, 2, 0	2, 3, 0	2, 3, 0	2, 3, 0	3, 0, 2	3, 1, 1	3, 2, 0	3, 0, 2	3, 0, 2	4, 1, 0
	Rainfall ..	1, 3, 1	2, 0, 3	2, 0, 3	1, 0, 4	1, 1, 3	1, 0, 4	1, 2, 2	1, 1, 3	1, 0, 4	0, 3, 2	1, 2, 2	0, 1, 4
	Sunshine ..	2, 1, 2	2, 3, 0	2, 3, 0	2, 2, 1	2, 3, 0	2, 1, 2	—	3, 2, 0	2, 0, 3	2, 2, 1	3, 1, 1	2, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal						Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		n.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	57	27th	39	29th	52·3	45·6	48·8	- 0·3	3	0·28	7	- 18										
p Deerness, Orkney	165	58	27th	42	29th	54·3	47·3	50·6	+0·9	5	0·31	8	- 12	Deerness	0·9	- 2·1	8	—	—	—	—	—	—
a, Islands *t* Stornoway	51	59	262730	36	29th	55·9	49·0	52·3	+2·3	5	0·55	14	- 13	Stornoway	0·7	- 2·7	6	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	61	27th	37	29th	55·6	46·0	50·6	+0·6	6	0·30	8	- 8										
a Strathpeffer	125	65	28th	41	30th	60·0	44·6	51·9	+1·6	1	0·09	2	- 12										
b, Main- *p* Glencarron	500	63	1st	43	27th	58·4	48·0	53·0	+3.6	3	0·38	10	- 39										
land. a Fort Augustus	68	68	1st	42	27th	60·9	48·6	54·5	+4·0	2	0·09	2	- 20										
p Fort William	171	63	1st	45	27th	58·3	48·6	53·2	+1·9	4	0·36	9	- 32										
1. SCOTLAND, E.																							
t Nairn	82	64	27th	41	27th	58·9	45·7	52·0	+1·7	2	0·07	2	- 11	Nairn	2·6	—	22	—	—	—	—	—	—
p Gordon Castle	101	67	27th	44	29th	60·3	47·6	53·7	+2·7	3	0·22	6	- 10	Gordon Castle	2·7	—	23	—	—	—	—	—	—
t Aberdeen	46	66	28th	45	25, 1	60·7	48·1	54·1	+3·1	5	0·09	2	- 12	Aberdeen	3·3	- 0·2	28	0	33	—	—	53·0	+1·0
a Balmoral	930	67	1st	39	25th	58·3	43·9	50·8	+3·2	2	0·14	4	- 12	Balmoral	—	—	—	0	34	—	—	—	—
p Crieff	432	67	26th	43	25th	61·7	46·4	53·7	+2·6	3	0·87	22	+ 4	Crathes	3·3	- 0·1	28	1	30	50·8	—	51·1	—
a Dundee	244	67	1st	38	25th	61·7	44·6	52·7	+1·7	3	0·31	8	- 5	Dundee	3·6	—	30	1	29	53·7	—	—	—
t Inchkeith (F. of Forth)	190	67	1st	47	25, 27	59·7	49·7	54·5	—	2	0·25	6	—	Inchkeith (F. of Forth)	—	—	—	0	40	—	—	—	—
p Edinburgh	441	—	—	—	—	—	—	—	—	—	—	—	—	Edinburgh	—	—	—	—	—	—	—	—	—
a West Linton	769	65	1st	35	25, 27	59·9	42·7	50·9	+3·0	1	0·42	11	—	West Linton	—	—	—	1	30	—	—	—	—
a Marchmont	498	—	—	38	25th	—	43·3	—	—	1	0·04	1	15	Marchmont	4·1	+0·8	35	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	64	1st	42	27th	60·6	45·7	52·8	—	3	0·34	9	—	Ford (Argyll)	—	—	—	0	38	55·6	—	55·6	—
t Renfrew	49	66	26th	43	1st	61·1	48·0	54·2	—	1	0·55	14	—	Renfrew	3·1	—	27	0	33	—	—	—	—
p Rothesay	200	64	26th	46	25th	61·0	49·3	54·9	+2·8	2	0 70	18	- 9	Rothesay	3 8	—	32	0	41	54·4	—	54·0	+0·8
a Kilmarnock	90	70	1st	40	25th	64·0	48·3	55·8	+4·9	1	1·21	31	+ 9	Kilmarnock	4·1	—	35	—	—	54·5	—	54·2	—
a Colmonell	170	69	1st	42	25th	64·3	47·0	55·2	+3·4	1	0·69	18	- 6	Colmonell	—	—	—	0	38	—	—	—	—
p Dumfries	160	66	26th	38	25th	61·9	45·9	53·5	+1·4	1	0·06	2	- 17	Dumfries	3·0	—	25	1	30	55·2	+2·0	55·1	- 0·7
t Eskdalemuir	794	63	28th	31	25th	59·3	41·7	50·1	—	1	0·04	1	—	Eskdalemuir	3·1	—	26	1	28	—	—	—	—
b, I. OF MAN *h* Douglas	284	64	26 27 1	42	25th	62·6	50·1	56·1	+3·3	1	0·12	3	- 21	Douglas	5·4	+1·3	45	0	38	—	—	—	—
2. ENGLAND, N.E.																							
a *P* wick Castle	210	70	1st	42	28th	62·4	46·3	54·0	+2·4	2	0·07	2	- 13	Cockle Park	3·5	- 0·6	29	1	28	53·4	+2·4	53·8	+1·4
t ' nemouth	118	66	28th	44	25th	60·4	51·1	55·5	+3·2	1	0·01	0·3	- 13										
urham	336	67	1st	36	25th	62·0	47·6	54·5	+2·8	1	0·02	0·4	- 13	Durham	3·0	- 0·6	25	1	29	—	—	—	—
a North .. Kounton	249	67	28th	37	25th	62·1	47·6	54·5	+3·1	0	0·00	0	- 12	Rounton	—	—	—	0	31	54·6	—	—	—
West Witton	605	68	1st	37	25th	61·9	47·0	54·1	—	0	0·00	0	—	West Witton	—	—	—	0	31	53·7	—	53·6	—
h Scarborough	118	69	1st	47	25th	62·6	51·7	56·9	+3·3	0	0·00	0	- 13	Scarborough †	3·6	- 0·6	30	—	—	—	—	58·2	—
p York	56	68	1st	39	25th	64·1	48·3	55·8	+2·7	0	0·00	0	- 11	York	4·5	+0·8	38	—	—	57·0	+1·9	57·0	+1·4
t Spurn Head	26	65	25, 1	49	28th	63·3	51·6	57·2	+2·7	0	0·00	0	- 10										
b ath .. *a* Lincoln	58	67	25, 30	41	25th	64·7	46·3	55·1	+1·5	0	0·00	0	- 11	Lincoln	—	—	—	0	39	56·0	+1·3	57·9	+1·9
t Cranwell	237	69	1st	38	25th	64·6	42·0	52.8	- 0·9	0	0·00	0·1	- 11	Cranwell	5·2	+0·7	43	0	31	—	—	—	—
														Skegness	5·2	+0·4	43	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	71	1st	48	25th	63·3	49·7	56·2	+1·5	1	0·01	0·3	- 13	Cromer	5·0	+0·2	42	—	—	—	—	—	—
a Little Massingham	277	71	1st	45	25, 26	64·9	46·0	55·0	+2·2	2	0·03	1	- 15	Lit Massingham	6·3	+1·8	53	—	—	—	—	—	—
t Yarmouth	13	64	1st	41	25th	61·9	49·1	55·2	+0·7	0	0·00	0	- 15	Yarmouth	5·8	—	49	0	39	59·7	+3·0	59·4	+1·0
a Norwich	93	69	1st	37	29th	64·8	40·8	52·2	- 1·8	0	0·00	0	- 16	Norwich	5·7	—	48	0	31	55·2	—	—	—
a Geldeston	37	69	26th	35	1st	64·1	39 4	51·2	- 3·0	0	0·00	0	- 14	Geldeston	?	?	?	—	—	—	—	—	—
p Cambridge	41	73	1st	34	28th	67·0	40·6	53·2	- 0·8	0	0·00	0	- 12	Cambridge	6·2	+1·5	52	1	29	57·9	+1·8	59·8	+2·2
t Clacton-on-Sea	54	67	26th	47	25, 26	64·0	51·3	57·4	+2·4	1	0·01	0·3	- 11	Clacton-on-Sea	6·9	+1·6	59	0	44	59·0	+2·0	60·0	+1·9
a Rothamsted	420	69	1st	39	28th	64·7	43·3	53·5	+0·5	1	0·01	0·2	- 15	Rothamsted	7·8	+3·2	66	1	29	55·6	—	—	—
p Tottenham	51	71	1st	41	29th	67·0	44·7	55·3	—	0	0·00	0	—	Tottenham	6·1	—	52	0	40	—	—	63·0	+3·9
														Southend	7·0	—	59	0	45	60·9	+1·6	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	65	25.1	39	25th	61·6	47·0	54·0	+2·7	0	0·00	0	- 13	Harrogate	4·1	+0·1	35	0	31	54·7	+1·8	55·0	+1·5
a North .. *p* Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—
h Buxton	987	65	1st	34	1st	61·6	41·3	51·0	+1·4	0	0·00	0	- 21	Buxton	4·5	—	38	1	27	54·6	+2·3	56·2	+2·4
a Worksop	56	69	1st	36	25th	65·9	43·6	54·2	+1·6	0	0·00	0	- 11	Worksop	4·3	+0·7	36	1	29	56·5	—	56·7	—
t Nottingham	82	71	1st	37	25, 1	65·1	43·0	53·5	+0·6	0	0·00	0	- 11	Nottingham	5·1	+1·4	43	0	33	54·2	+0·2	58·0	+1·9
b, East .. *p* Birmingham, Edgbsn.	525	71	1st	42	1st	65·6	46·1	55·4	+2·5	0	0·00	0	- 12	Birmingham	6·0	+2·7	50	4	28	53·5	+1·0	54·8	+1·8
a Raunds	203	73	1st	32	28th	67·1	39·3	52·5	- 1·2	0	0·00	0	- 10	Raunds	6·5	—	55	1	28	58·9	—	—	—
p Oxford	208	71	1st	36	29th	67·4	40·6	53·4	- 0·4	0	0·00	0	- 12	Oxford	7·6	+3·1	64	1	30	—	—	—	—
														Malvern	7·2	—	61	0	34	57·4	—	59·5	—
a Cheadle (N. Staffs.)	646	—	—	—	—	—	—	—	—	—	—	—	—	Cheadle	—	—	—	—	—	—	—	—	—
c, West .. *p* Tenbury	313	71	25th	33	28, 1	66·4	35·9	50·4	- 2·0	0	0·00	0	- 10	Tenbury	—	—	—	0	31	55·3	—	—	—
a Hereford	291	68	25, 1	34	29, 1	64·0	38·3	50·5	- 2·3	0	0·00	0	- 12	Ross on Wye	5·6	—	48	1	30	56·0	—	59·1	—
a Clifton	225	71	1st	42	29, 30	65·4	44 9	54·7	- 0·2	0	0·00	0	- 16	Clifton	7·5	—	63	0	40	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	72	1st	30	29, 1	66·9	36·6	51·0	- 1·1	2	0·02	1	- 14	Worthing	9·9	+4·5	83	0	37	57·9	+0·7	60·0	+1·4
a Porton	340	72	1st	31	29th	68·0	41·1	53·9	—	0	0·00	0	—	Marlborough	7·5	+3·4	63	2	27	56·9	—	57·8	—
a Wisley, Surrey	150	74	1st	34	29th	68·3	40·3	53·6	- 0·2	0	0·00	0	- 14	Porton	—	—	—	2	28	57·0	—	—	—
h Tunbridge Wells	354	73	1st	36	29th	68·6	43·7	55·6	+1·3	1	0·01	0	- 16	Wisley, Surrey	7·1	+2·6	60	4	25	57·0	+1·1	58·6	+1·5
h Margate	51	64	30th	50	26, 29	62·7	53·6	57·9	+1·5	1	0·02	0·4	- 13	Tunbridge Wells	9·1	+4·2	77	3	25	58·1	+1·1	59·4	—
														Margate	7·1	+2·3	60	0	41	61·0	+4·5	63·0	+5·4
t Dungeness	21	68	26th	43	26th	65·6	52·7	58·8	+2·9	1	0·01	0·2	- 15	Folkestone	8·8	—	74	2	30	—	—	61·6	—
h St. Leonards	178	—	—	—	—	—	—	—	+	—	—	—	—	St. Leonards	9·8	+4·6	82	—	—	—	—	—	—
p Southampton	64	72	26, 1	39	29th	69·7	46·3	57·4	+1·5	0	0·00	0	- 16	Southampton	8·6	+3·7	72	2	29	—	—	—	—
a Ventnor	59	71	1st	52	26th	67·7	55·4	61·3	+4·1	0	0·00	0	- 17	Ventnor	9·0	+3·9	76	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	71	1st	39	29th	66·9	42·1	53·9	- 0·6	0	0·00	0	- 12	Richmond	6·9	+2·6	59	0	33	56·7	+1·2	58·8	+2·2
a Westminster	27	73	1st	43	29th	68.3	47·3	57·3	+1·5	0	0·00	0	- 11	Westminster	5·9	+2·3	50	0	36	—	—	—	—
ag Greenwich	149	74	1st	37	28th	68·4	42·6	54·9	- 0.1	0	0·00	0	- 12	Greenwich	7·6	+3·1	64	5	26	—	—	—	—
a Hampstead	450	70	1st	46	25th	65·0	48·6	56·4	—	1	0·01	0	—	Hampstead	8·4	—	71	0	32	—	—	—	—
ag Camden Square	110	71	26th	41	29th	68·4	45·4	56·4	+0·6	0	0·00	0	- 12	Camden Square	—	—	—	0	37	57·5	—	59·2	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	63	26, 1	41	25th	60·4	47·3	53·5	+1·6	0	0·00	0	- 23	Aspatria	3·7	- 0·4	31	0	40	52·9	+0·3	54·6	+0·6
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	63	26th	41	25th	61·0	47·0	53·7	+1·7	0	0·00	0	- 26	Stonyhurst	4·6	+1·0	38	0	37	—	—	—	—
h Blackpool	66	68	1st	38	25th	63·7	47·0	55·0	+1·6	0	0·00	0	- 20	Blackpool	5·8	+1·6	49	0	32	56·0	—	56·0	—
h Southport	37	70	1st	40	25th	63·3	46·4	54·4	+1·1	0	0·00	0	- 19	Southport	5·8	+1·8	49	0	35	55·9	+1·0	58·2	+1·4
														Hoylake	7·2	+3·3	60	—	—	—	—	—	—
t Liverpool (Bidston)	188	67	1st	46	1st	63·1	48·3	55·3	+1·5	0	0·00	0	- 17	Liverpool	6·3	—	53	0	37	—	—	—	—
a Hawarden Bridge	22	68	28, 1	39	29th	65·4	44·7	54·0	+0·4	0	0·00	0	- 14	Manchester City	3·0	0·0	25	0	38	57·4	+2·6	59·1	+2·0
p Manchester (Whit. Pk.)	125	71	1st	42	25th	65·9	47·4	56·2	+2·2	0	0·00	0	- 17	„ Whit. Pk.	4·2	+1·3	35	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	73	1st	43	25th	64·9	47·0	55·5	+0·6	0	0·00	0	- 17	Llandudno	6·5	+2·2	55	—	—	—	—	—	—
t Holyhead	15	71	1st	47	25th	65·0	50·7	57·5	+2·9	1	0·04	1	- 18	Holyhead	6·2	—	52	0	36	—	—	—	—
a Aberdovey	60	73	1st	48	26th	67·1	51·9	59·1	—	0	0·00	0	—	Aberdovey	8·2	+3·7	69	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd. 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the week	Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	73	1st	43	26th	65·9	48·0	56·5	—	0	0·00	0	—	Aberystwyth	8·2	+3·9	69	—	—	—	—	—	—
a Rhayader	757	67	1st	30	1st	64·0	35·6	49·1	—	1	0·02	0·4	—	Rhayader ..	6·4	—	53	6	24	—	—	—	—
t Pembroke	149	66	26th	49	29th	63·6	51·7	57·4	+2·4	0	0·00	0	- 20	Pembroke ..	8·5	+4·3	72	—	—	—	—	—	—
p Cardiff	202	70	1st	42	29, 1	65·3	45·6	55·0	+1·2	0	0·00	0	- 23	Cardiff ..	7·0	—	59	0	36	58·4	+2·9	58·8	+2·0
b, ENGLAND, S.W.																							
h Bath	66	74	1st	35	29th	67·9	43·1	54·9	+0·7	0	0·00	0	- 15	Bath	—	—	—	—	—	—	—	—	—
a Shaftesbury	722	70	1st	47	29, 30	66·9	49·1	57·6	+4·1	0	0·00	0	- 18	Shaftesbury ..	—	—	—	—	—	59·1	—	59·3	—
a Arlington	613	69	26th	44	26th	66·4	48·7	57·1	+3·9	0	0·00	0	- 30										
h Newquay	190	68	30, 1	45	29th	65·9	51·4	58·3	+2·4	0	0·00	0	- 20	Newquay ..	8·4	+3·9	70	—	—	59·5	—	59·2	—
a Cullompton	202	73	1st	35	29, 1	69·7	42·4	55·4	+1·4	0	0·00	0	- 18	Cullompton ..	6·7	+2·8	57	3	25	58·9	—	—	—
t Portland Bill	19	68	26th	53	29th	65·7	57·0	61·1	+4·6	0	0·00	0	- 15	Weymouth ..	8·1	—	68	—	—	—	—	—	—
p Plymouth	116	71	26, 1	45	29th	68·0	52·6	59·9	+4·3	0	0·00	0	- 18	Plymouth ..	8·1	+3·6	68	0	35	59·3	+2·1	59·8	—
t Falmouth	167	67	25th	48	29th	65·0	54·0	59·2	+3·7	0	0·00	0	- 22	Falmouth ..	7·8	+3·3	66	0	44	60·6	—	—	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point	10	62	26, 27, 29	43	25, 30	61·0	46·9	53·6	- 0·4	3	0·22	6	- 23										
a Mallarany	120	65	26, 27	42	25th	63·6	49·0	56·0	—	1	0·16	4	—	Mallarany ..	4·5	—	38	0	34	—	—	—	—
p Markree Castle..	122	66	25,26,1	35	25th	63·9	45·6	54·3	+2·6	2	0·19	5	- 19	Markree Castle	3·2	- 0·1	27	0	31	57·3	+1·6	56·4	+0·6
b, East .. *p* Armagh.. ..	204	67	1st	39	25, 30	63·9	45·4	54·2	+2·1	0	0·00	0	- 17	Armagh ..	4·6	+1·3	39	0	31	56·0	+0·8	55·7	+0·2
t Donaghadee	35	65	28, 1	45	25th	62·3	50·3	56·0	+2·9	1	0·31	8	- 9										
														Trinity Coll.	—	—	—	—	—	57·4	+1·8	57·1	+1·2
10. IRELAND, S.														Phœnix Park	5·6	+1·6	47	0	32	—	—	—	—
p Dublin City	54	64	30th	43	25th	62·4	48·7	55·2	+1·1	1	0·14	4	- 9	Dublin City ..	—	—	—	0	39	—	—	—	—
t Birr Castle	175	67	30th	39	25th	64·6	46·9	55·3	+3·0	1	0·33	8	- 7	Birr Castle ..	4·7	+1·0	40	0	31	—	—	—	—
a Kilkenny	195	67	25th	37	25th	64·3	42·9	53·1	+0·2	2	0·50	13	- 3										
a Waterford	137	67	25th	43	25th	64·0	48·7	58·0	+2·0	1	0·26	7	- 12										
p Seskin, Carrick-on-Suir	542	67	25th	42	25th	62·4	47·6	54·6	—	2	0·22	6	—	Seskin ..	4·6	—	39	1	30	—	—	—	—
a Foynes	50	67	25th	43	25th	64·3	47·1	55·3	+1·4	1	0·46	12	- 7										
t Cahirciveen (Val. Obs.)	30	69	27th	45	29th	66·0	51·4	58·4	+3·5	2	0·46	12	- 16	Cahirciveen ..	7·1	+3·3	60	0	42	—	—	—	—
a Killarney	174	72	25, 26	47	26th	69 2	51·6	60·0	+5·6	1	0·40	10	- 15	Ballinacurra	6·2	+2·4	52	—	—	—	—	—	—
t Roche's Point	32	63	26, 29	48	25th	62·1	53·0	57·3	+2·4	6	0·69	18	- 2										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	69	26th	51	1st	65·9	54·6	60·0	+3·0	1	0·13	3	- 16	Scilly ..	8·3	+3·7	70	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	72	29th	46	1st	69·6	52·6	60·7	+2·6	0	0·00	0	- 20	St. Heliers ..	9·6	+4·5	80	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	—	—	—	—	—	—	—	—	—	—	—	—	Guernsey† ..	—	—	—	—	—	—	—	—	—

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Grange.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 1st, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.) ..	188	16	5	—	0	—	0	74	80	14	0	160	11	30	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	0	74	94	0	330	4	26	5	9	26	4	50
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	2	124	42	0	310	6	{26 {28	{6 {11	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	6	62	100	0	{250 {240	6	{25 {28	{24 {11	11	26	0	10
Paisley	188	81	15	—	0	—	0	0	85	74	9	240	5	25	21	11	25	21	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	0	41	119	8	350	4	26	11	8	26	0	35
South Shields	72	61	12	—	0	—	0	0	109	59	0	280	5	26	2	10	30	13	40
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	0	—	0	34	98	36	0	110	8	30	12	10	27	12	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	3	61	104	0	20	6	26	16	11	26	16	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	13	142	13	0	—	8	27	21	14	27	10	30
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	21	133	14	0	40	7	26	18	9	26	18	5
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	10	51	107	0	100	6	27	11	10	27	11	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	13	140	15	0	320	8	26	7	—	—	—	—
Southport	80	62	48	—	0	—	0	11	138	19	0	170	8	30	14	13	30	13	0
Holyhead	60	40	‡	—	0	—	0	6	138	24	0	80	8	26	21	13	27	9	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	26, 27	20	101	43	1	3	90	13	27	1	16	27	0	40
Plymouth	185	88	2	—	0	—	0	16	116	36	0	—	7	27	13	13	27	11	10
Lyme Regis	556	61	‡	—	0	—	0	0	128	40	0	—	5	26	21	8	{26 {27	20 {15	20
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	17	93	58	0	170	7	1	23	—	—	—	—
Quilty	100	40	‡	—	0	—	0	83	74	11	0	—	10	27	14	15	27	14	10
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	—	0	21	82	65	0	180	7	1	16	12	1	8	5
Weaver Pt.	160	30	‡	—	0	—	0	53	107	8	0	—	10	1	12	13	1	12	0
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	‡	—	0	27	1	79	88	0	0	100	11	27	5	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-NINTH WEEK of 1921—September 25th to October 1st, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	68	36	87·1	81·4	84·1	+1·0	70	+11	0	− 2	3	− 2	0·29	7	−19	0·8	− 2·3	7	1020
Eastern.																			
1. SCOTLAND, EAST ..	67	35	88·5	80·9	84·6	+1·3	76	+14	0	− 2	2	− 2	0·26	7	− 8	3·4	− 0·1	29	1022
2. ENGLAND, N.E. ..	70	36	90·2	81·9	85·8	+1·2	92	+16	0	0	0	− 4	0·00	0	−12	4·1	0·0	35	1024
3. ENGLAND, EAST ..	73	34	91·1	80·2	85·4	+0·2	87	+ 3	0	0	0	− 3	0·00	0	−14	6·3	+1.5	53	1024
4. MIDLAND COUNTIES	73	33	91·6	78·6	84·8	+0·2	78	+ 1	0	− 1	0	− 3	0·00	0	−13	5·8	+1·7	48	1024
5. ENGLAND, S.E. ..	74	30	92·6	80·7	86·3	+0·4	97	+ 5	0	0	0	− 3	0·00	0	−15	8·4	+3·5	70	1024
Western.																			
6. SCOTLAND, WEST ..	70	38	89·8	81·8	85·6	+1·5	88	+18	0	− 1	1	− 3	0·52	13	−13	—	—	—	1023
7. ENGLAND, N.W. ..	73	38	90·6	81·6	85·8	+1·0	92	+13	0	0	0	− 4	0·00	0	−20	6·0	+2·2	50	1023
8. ENGLAND, S.W. ..	74	30	92·1	81·9	86·7	+1·2	103	+15	0	− 1	0	− 4	0·00	0	−21	7·7	+3·6	65	1023
9. IRELAND NORTH ..	67	35	90·3	81·3	85·6	+1·2	89	+16	0	0	1	− 4	0·21	5	−17	3·9	+0·6	33	1022
10. IRELAND, SOUTH ..	72	37	91·1	82·3	86·5	+1·3	100	+17	0	0	2	− 2	0·41	10	− 9	5·9	+2·0	49	1021
11. ENGLISH CHANNEL..	72	46	92·9	85·0	88·8	+1·5	129	+19	0	0	1	− 3	0·07	2	−17	9·0	+3·9	75	1021
MEAN: DISTRICTS 1-10	74	30	90·8	81·1	85·7	+1·0	90	+12	0	− 1	1	− 3	0·14	4	−14	5·7	+1·7	48	1023

THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, August 28th to October 1st, 1921.

0. SCOTLAND, NORTH ..	73	30	87·2	80·8	83·8	− 0·3	333	− 21	0	− 2	21	− 2	4·24	107	− 12	2·9	− 0·6	22	1014
Eastern																			
1. SCOTLAND, EAST ..	75	30	88·7	80·7	84·6	+ 0·2	376	− 2	0	− 3	15	− 4	2·34	60	− 12	4·5	+ 0·4	35	1016
2. ENGLAND, N.E. ..	80	36	91·1	82·5	86·6	+ 0·9	507	+ 54	0	0	9	− 7	1·74	45	− 9	5·6	+ 1·0	44	1019
3. ENGLAND, EAST ..	85	34	92·9	83·2	87·8	+ 1·2	584	+ 73	0	0	9	− 6	1·61	42	− 16	6 0	+ 0·8	46	1020
4. MIDLAND COUNTIES	84	34	92·4	81·7	86·8	+ 0·8	518	+ 47	0	− 2	9	− 6	1·93	49	− 11	5·6	+ 1·0	44	1019
5. ENGLAND, S.E. ..	85	30	93·4	83·4	88·1	+ 0·9	602	+ 58	0	0	7	− 8	1·09	29	− 36	6·4	+ 0·9	50	1020
Western.																			
6. SCOTLAND, WEST ..	74	33	89·3	81·8	85·4	+ 0·4	429	+ 18	0	− 1	17	− 1	4·08	104	− 11	—	—	—	1018
7. ENGLAND, N.W. ..	81	33	90·5	82·8	86·4	+ 0·4	497	+ 32	0	0	11	− 7	2·46	62	− 24	5·8	+ 1·3	45	1019
8. ENGLAND, S.W. ..	82	30	92·1	83·6	87·6	+ 1·0	572	+ 62	0	− 1	9	− 9	1·95	50	− 38	5·6	+ 0·6	44	1020
9. IRELAND, NORTH ..	73	35	89·6	82·2	85·7	+ 0·3	451	+ 19	0	0	16	− 6	2·51	64	− 27	4·1	+ 0·3	32	1017
10. IRELAND, SOUTH ..	75	36	90·5	83·0	86·6	+ 0·4	507	+ 26	0	0	17	− 2	2·68	67	− 19	5·0	+ 0·6	39	1018
11. ENGLISH CHANNEL..	80	46	93·1	86·3	89·5	+ 1·2	689	+ 77	0	0	10	− 7	1·02	27	− 45	7·1	+ 1·0	56	1019
MEAN: DISTRICTS 1-10..	85	30	91·1	82·5	86·6	+ 0·7	504	+ 39	0	− 1	12	− 6	2·24	57	− 20	5·4	+ 0·8	42	1019

THE YEAR. Aggregates, &c., for the Period of 39 Weeks, January 2nd to October 1st, 1921.

0. SCOTLAND, NORTH ..	81	16	85·1	78·5	81·7	+ 0·6	1919	+102	348	−193	169	−10	36·36	925	+46	3·6	0·0	26	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·2	78·2	82·0	+ 0·6	2146	+117	451	−169	138	−14	19·15	485	− 67	4·7	+ 0·5	34	1014
2. ENGLAND, N.E. ..	92	22	87·8	79·8	83·6	+ 1·3	2790	+464	250	−222	111	−25	12·39	319	−122	5·0	+ 0·4	37	1017
3. ENGLAND, EAST ..	91	23	89·0	80·2	84·5	+ 1·6	3199	+530	227	−267	87	−44	9·04	232	−191	5·7	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	89·1	79·7	84·2	+ 1·5	3061	+462	253	−271	102	−28	12·58	321	−151	5·1	+ 0·6	38	1018
5. ENGLAND, S.E. ..	91	21	89·4	80·9	84·8	+ 1·3	3307	+475	170	−209	91	−36	9·18	236	−221	5·8	+ 0·6	44	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·7	79·5	82·9	+ 0·7	2492	+270	240	−177	158	− 1	34·36	872	+58	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·5	80·4	83·8	+ 1·1	2785	+362	161	−221	128	−16	20·42	520	− 93	5·1	+ 0·6	38	1017
8. ENGLAND, S.W. ..	89	22	88·6	80·9	84·6	+ 1·3	3126	+459	131	−171	112	−31	16·08	410	−240	5·5	+ 0·5	42	1019
9. IRELAND, NORTH ..	86	23	87·2	80·2	83·5	+ 0·9	2636	+327	148	−192	155	−21	22·53	570	−109	4·1	+ 0·1	31	1016
10. IRELAND, SOUTH ..	90	23	88·3	80·9	84·4	+ 1·0	3029	+375	117	−143	148	− 7	23·23	592	−111	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	88·9	82·9	86·0	+ 1·4	3572	+501	27	− 78	111	−35	11·66	297	−230	6·4	+ 0·5	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	88·0	80·1	83·8	+ 1·1	2857	+384	215	−204	123	−22	17·90	456	−125	5·1	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
7th October, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 40.

FORTIETH WEEK.

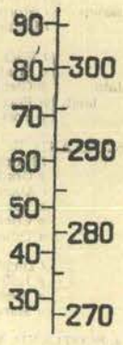
SUNDAY, OCTOBER 2ND, TO SATURDAY, OCTOBER 8TH, 1921.

Price 6d. Net, Post free 7d.

Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles generally during the week was remarkable for the unprecedented heat for the time of year. Rainfall was above the normal in several districts, but at a few stations the week was rainless. Mean temperature was above the normal at every station with the exception of Lerwick (Shetlands) where it was exactly normal, the excess in many cases being as much as 7a. The maximum temperatures were abnormally high over England; readings of 299a and above were registered in most districts, the actual highest being 302a (84 F.) in London on the 6th, while readings a trifle lower were recorded at Kew Observatory (Richmond) and Wisley (Surrey), these readings being the highest on record for October. During the greater part of the week the nights were very warm; at a number of stations there were nights on which temperature did not descend below 289a. The lowest of the screen minima were 274a at Nairn and Gordon Castle on the 4th and 275a at Marlborough and Wisley on the 2nd, while on the latter date ground frosts were registered in several places. The mean daily range of temperature was above 14a at several stations in the south-eastern parts of England. Over the southern parts of England there were showers in places, while in Scotland and the more northern parts of England some rather heavy falls of rain were recorded. Thunderstorms occurred at a number of stations. The heaviest falls were measured mostly on the 3rd when Aberdovey had 48mm., Cranwell 44mm., Hawarden Bridge 33mm. and Cheadle (Staffs.) 31mm., while on the 5th Fort William measured 32mm. Bright sunshine was below the normal in the northern parts of the country and also in Ireland, but generally above the normal elsewhere: amounts of 10 hours or slightly above were recorded at St. Leonards and Ventnor on the 5th, at Greenwich on the 6th and at Worthing on the three consecutive days 4th, 5th and 6th. The mean departure from the normal ranged from +4·3 hours at Jersey to —2·7 hours at Dublin (Phœnix Park). Aurora was witnessed at Aberdeen on the 8th. Solar halos were seen on several days at Greenwich, Oxford and Ross-on-Wye. Lunar halos were observed at St. Leonards on the 8th and at Oxford on the 7th and 8th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	17	5·3	14	2·9	16	4·2	16	2·8	24	3·6	28	3·2	21	3·8	21	5·0
North	8	3·6	2	1·0	6	1·0	3	0·7	1	2·8	0	0·0	1	1·0	2	0·4
West	8	3·1	10	3·9	15	3·3	12	2·8	13	2·9	6	4·2	11	2·6	7	1·8
East	15	3·1	5	2·5	7	3·4	7	2·8	10	2·3	18	3·8	11	1·8	15	2·3
Calm	3	—	10	—	4	—	8	—	3	—	0	—	6	—	3	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
	Rainfall ..	Moderate	Moderate	Moderate	Moderate	Moderate	Very Light	Moderate	Moderate	Light	Moderate	Moderate	Very Light
	Sunshine ..	Scanty	Scanty	Scanty	Moderate	Moderate	Very Abundant	—	Scanty	Moderate	Very Scanty	Very Scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 6 weeks from August 28th, 1921.	Warmth ..	3, 1, 2	3, 1, 2	4, 2, 0	3, 3, 0	3, 3, 0	3, 3, 0	4, 0, 2	4, 1, 1	4, 2, 0	4, 0, 2	4, 0, 2	5, 1, 0
	Rainfall ..	1, 4, 1	2, 1, 3	2, 1, 3	1, 1, 4	1, 2, 3	1, 0, 5	1, 3, 2	1, 2. 3	1, 0, 5	0, 4, 2	1, 3, 2	0, 1, 5
	Sunshine ..	2, 1, 3	2, 3, 1	2, 3, 1	2, 3, 1	2, 4, 0	3, 1, 2	—	3, 2, 1	2, 1, 3	2, 2, 2	3, 1, 2	3, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	61	6th	38	4th	51·6	45·3	48·4	0·0	7	1·18	30	+ 5										
p Deerness, Orkney	165	58	5,6	42	4th	54·9	46·1	50·4	+1·4	6	0·75	19	- 5	Deerness	1·8	- 0·9	16	—	—	—	—	—	—
a, Islands *t* Stornoway	51	67	5th	42	4th	57·3	49·4	53·2	+4·1	6	1·73	44	+11	Stornoway	1·7	- 1·4	15	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	63	6th	39	4th	55·4	47·9	51·5	+2·5	7	0·53	13	- 6										
a Strathpeffer	125	70	5th	36	4th	62·1	45·6	53·6	+4·6	4	0·72	18	+ 1										
b, Main- *p* Glencarron	500	74	5th	39	4th	61·1	46·1	53·4	+5.1	7	1·99	51	- 5										
land. *a* Fort Augustus	68	73	5th	43	4th	63·0	48·9	55·7	+6·4	5	1·58	40	+14										
p Fort William	171	74	5th	46	4th	60·3	48·0	54·0	+3·9	7	3·01	76	+29										
1. SCOTLAND, E.																							
t Nairn	82	70	5th	34	4th	61·3	44·4	52·6	+3·9	7	0·97	25	+11	Nairn	3·7	—	32	—	—	—	—	—	—
p Gordon Castle	101	72	5th	34	4th	63·7	45·7	54·4	+4·8	5	0·78	20	+ 3	Gordon Castle	3·8	—	34	—	—	—	—	—	—
t Aberdeen	46	65	6th	40	4th	58·4	48·9	53·5	+3·8	5	0·74	19	+ 3	Aberdeen	0·9	- 2·6	8	0	36	—	—	52·6	+1·1
a Balmoral	930	66	5, 6	39	4th	58·4	43·7	50·8	+4·7	4	0·20	5	- 14	Balmoral	—	—	—	0	37	—	—	—	—
p Crieff	432	64	6th	43	4th	58·3	46·9	52·4	+2·8	5	1·04	26	+ 5	Crathes	1·1	- 2·3	9	1	28	51·0	—	50·7	—
a Dundee	244	67	6th	43	4, 8	61·0	46·7	53·6	+4·1	4	0·88	22	+ 7	Dundee	1·5	—	13	0	37	53·4	—	—	—
t Inchkeith (F. of Forth)	190	64	6th	47	4th	59·3	51·2	55·5	—	4	1·15	29	—	Inchkeith (F. of Forth)	—	—	—	0	46	—	—	—	—
p Edinburgh	441	71	5th	46	3, 4	62·6	50·6	56·4	+6·5	4	1·01	26	+12	Edinburgh	2·7	- 0·9	24	0	40	—	—	—	—
a West Linton	769	66	8th	39	2nd	60·7	47·6	54·0	+7·4	7	1·38	35	—	West Linton	—	—	—	0	34	—	—	—	—
a Marchmont	498	—	—	45	2, 4	—	48·9	—	—	5	0·62	16	- 3	Marchmont	2·7	- 0·5	24	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	71	5th	46	7th	61·3	50·7	55·8	—	7	2·56	65	—	Ford (Argyll)	—	—	—	0	45	55·6	—	55·0	—
t Renfrew	49	71	5th	46	4th	62·6	50·3	56·3	—	5	1·26	32	—	Renfrew	1·1	—	10	0	39	—	—	—	—
p Rothesay	200	65	5, 6	46	4th	60·4	49·3	54·7	+4·1	6	1·18	30	+ 4	Rothesay	1·0	—	9	0	43	54·4	—	54·0	+1·4
a Kilmarnock	90	73	5th	48	4th	63·7	52·4	57·9	+8·6	5	0·85	22	+ 1	Kilmarnock	1·0	—	9	—	—	55·6	—	54·1	—
a Colmonell	170	70	5th	50	4th	62·7	53·3	57·9	+7·4	6	1·22	31	+ 6	Colmonell	—	—	—	0	47	—	—	—	—
p Dumfries	160	73	5th	47	4th	63·1	51·1	56·9	+6·5	5	0·59	15	- 5	Dumfries	1·4	—	12	0	41	55·8	+3·9	55·0	+0·2
t Eskdalemuir	794	70	5th	42	2nd	60·3	49·6	54·8	—	6	1·08	27	—	Eskdalemuir	0·9	—	8	0	35	—	—	—	—
b, I. OF MAN *h* Douglas	284	64	8th	53	4th	61·3	55·9	58·5	+7·0	6	0·77	20	- 5	Douglas	1·1	- 2·6	10	0	51	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	74	6th	41	2nd	65·4	50·0	57·5	+7.6	4	0·47	12	- 6	Cockle Park	2·3	- 1·4	20	1	30	54·1	+3·7	53·3	+1·5
t Tynemouth	118	71	6th	48	2nd	63·4	53·6	58·4	+7·8	3	0·14	4	- 11										
p Durham	336	72	6th	40	2nd	63·3	50·9	56·9	+7·0	3	0·09	2	- 14	Durham	1·7	- 1·6	15	0	31	—	—	—	—
a North *p* Rounton	249	74	6th	44	2nd	65·1	50·9	57·8	+8·2	0	0·00	0	- 15	Rounton	—	—	—	0	34	55·9	—	—	—
a West Witton	605	73	6th	43	2nd	63·3	51·9	57·4	—	3	0·47	12	—	West Witton	—	—	—	0	34	53·6	—	53·2	—
h Scarborough	118	75	6th	53	2, 4	64·4	55·6	59·9	+8·0	4	0·28	7	- 9	Scarborough †	2·5	- 1·2	22	—	—	—	—	57·5	—
p York	56	75	6th	43	2nd	65·1	54·0	59·4	+8·2	5	0·91	23	+ 9	York	2·4	- 0·8	21	—	—	56·5	+2·2	56·6	+1·6
t Spurn Head	26	70	6th	49	2nd	64·4	55·7	59·9	+7·1	4	0·37	10	- 2										
b, South *a* Lincoln	58	78	6th	44	2nd	69·1	54·7	61·7	+10·1	2	0·87	22	+ 9	Lincoln	—	—	—	0	40	57·6	+3·9	57·5	+2·2
t Cranwell	237	76	6th	40	2nd	68·6	54·0	61.1	+9·4	3	1·80	46	+33	Cranwell	3·3	- 0·7	29	1	30	—	—	—	—
														Skegness	3·2	- 1·0	28	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	78	6th	47	2nd	70·4	55·6	62·8	+9·9	5	1·08	27	+15	Cromer	4·1	+0·1	36	—	—	—	—	—	—
a Little Massingham	277	77	6th	48	2nd	69·3	56·1	62·5	+11·6	2	0·67	17	+ 2	Lit Massingham	4·4	+0·8	39	—	—	—	—	—	—
t Yarmouth	13	73	7th	43	2nd	67·3	56·1	61·5	+8·7	2	0·43	11	- 3	Yarmouth	4·3	—	38	0	40	60·0	+4·6	59·0	+1·6
a Norwich	93	77	6th	41	2nd	71·0	55·1	62·8	+10·7	2	0·55	14	- 1	Norwich	3·9	—	35	0	38	57·6	—	—	—
a Geldeston	37	74	7th	39	2nd	70·9	52 0	61·2	+8·8	1	0·32	8	- 5	Geldeston	4·6	+0·6	40	—	—	—	—	—	—
p Cambridge	41	80	6th	39	2nd	73·6	54·1	63·6	+11·6	1	0·33	9	- 2	Cambridge	5·9	+2·1	52	0	33	59·7	+4·7	59·1	+2·2
t Clacton-on-Sea	54	72	3rd	45	2nd	68·3	57·3	62·6	+ 9·3	1	0·17	4	- 6	Clacton-on-Sea	6·4	+2·2	56	0	45	60·6	+4·5	59·7	+2·3
a Rothamsted	420	79	6th	40	2nd	73·9	53·6	63·5	+12·3	1	0·08	2	- 12	Rothamsted	6·2	+2·5	55	0	32	57·3	—	—	—
p Tottenham	51	81	5, 6	50	2nd	75·9	57·0	66·2	—	1	0·10	3	—	Tottenham	6·1	—	54	—	—	—	—	62·1	+3·8
														Southend	6·9	—	61	0	43	63·9	+5·4	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	72	6th	45	2nd	63 1	52·0	57·4	+ 7·8	5	0·77	20	+ 5	Harrogate	1·3	- 2·0	11	0	34	54·6	+2·4	54·5	+1·6
a North *p* Sheffield	429	77	6th	48	2nd	67·0	54·7	60·7	—	4	0·89	23	—	Sheffield	2·2	- 0·8	20	0	37	55·8	+2·8	55·6	+1·8
p Buxton	987	77	6th	40	2nd	64·1	52·0	57·9	+10·0	4	1·32	34	+10	Buxton	1·9	—	17	0	34	55·1	+3·7	55·7	+2·5
a Worksop	56	77	6th	37	2nd	68·9	51·3	59·8	+ 9·0	3	0·70	18	+ 6	Worksop	2·3	- 0·7	20	1	30	57·0	—	56·1	—
t Nottingham	82	79	6th	40	2nd	69·9	54·1	61·8	+10·8	4	1·09	28	+16	Nottingham	3·4	+0·3	30	0	38	58·7	+5·5	57·5	+2·0
b, East *p* Birmingham, Edgbsn.	525	79	6th	50	2nd	71·3	55·7	63·3	+12·2	1	0·80	20	+ 7	Birmingham	4·2	+1·6	37	0	33	56·5	+4·5	54·5	+1·8
a Raunds	203	80	6th	38	2nd	74·4	53·1	63·4	+11·9	1	0·40	10	- 2	Raunds	4·6	—	40	0	34	59·6	—	—	—
p Oxford	208	81	5th	41	2nd	75·4	54·7	64·7	+12·8	2	0·17	4	- 9	Oxford	6·2	+2·6	54	0	34	—	—	—	—
														Malvern	5·5	—	49	0	43	59·0	—	58·7	—
a Cheadle (N. Staffs.)	646	74	6th	47	2nd	65·4	52·9	59·0	+ 9·2	3	1·36	35	+19	Cheadle	—	—	—	0	42	—	—	—	—
c, West *p* Tenbury	313	78	5th	40	2nd	71·9	52·7	62·0	+11·4	2	0·66	17	+ 5	Tenbury	—	—	—	0	37	57·7	—	—	—
a Hereford	291	81	5th	41	2nd	72·1	51·9	61·7	+10·7	3	0·17	4	- 10	Ross on Wye	5·9	—	51	0	38	59·0	—	58·2	—
a Clifton	225	80	5th	49	2nd	73·1	55 3	63·9	+11·0	2	0·42	11	- 7	Clifton	6·6	—	58	0	49	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	80	5th	36	2nd	74·9	48·9	61·5	+11·3	2	0·31	8	- 10	Worthing	6·7	+2·3	58	0	40	59·3	+3·2	59·0	+1·1
a Porton	340	80	5th	42	2, 3	75·6	49·0	61·9	—	2	0·06	2	—	Marlborough	6·3	+3·0	56	0	33	58·4	—	57·2	—
a Wisley, Surrey	150	83	5, 6	36	2nd	79·0	51·3	64·7	+13·0	0	0·00	0	- 17	Porton	—	—	—	0	36	58·3	—	—	—
h Tunbridge Wells	354	81	6th	43	2nd	77·4	54·7	65·7	+13·3	0	0·00	0	- 20	Wisley, Surrey	7·8	+4·1	68	1	27	58·3	+3·3	57·6	+1·1
h Margate	51	75	6, 7	52	2nd	73·4	59·1	66·0	+11·7	0	0·00	0	- 16	Tunbridge Wells	7·4	+3·4	64	1	30	59·6	+3·4	58·8	—
														Margate	6·8	+3·0	60	0	42	62·7	+7·4	62·3	+5·4
t Dungeness	21	72	5th	44	2nd	69·0	57·9	63·3	+ 9·3	1	0·01	0·3	- 18	Folkestone	6·5	—	56	0	36	—	—	60·9	—
h St. Leonards	178	73	5th	49	8th	69·6	58·3	63·8	+ 9·7	0	0·00	0	- 20	St. Leonards	7·5	+3·2	65	0	41	61·8	—	60·1	—
p Southampton	64	79	4, 5	46	2nd	74·7	55·7	64·9	+11·0	1	0·07	2	- 18	Southampton	7·3	+3·3	63	0	37	—	—	—	—
a Ventnor	59	74	4, 6	53	8th	69·7	58·9	64·1	+ 8·6	1	0·03	1	- 20	Ventnor	5·6	+1·5	49	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	83	5th	42	2nd	77·0	53·0	64·6	+12·2	0	0·00	0	- 15	Richmond	6·4	+3·0	56	0	34	58·3	+3·6	57·7	+1·7
a Westminster	27	84	6th	45	2nd	78.4	55·9	66·8	+13·1	0	0·00	0	- 13	Westminster	6·4	+3·7	56	0	37	—	—	—	—
ag Greenwich	149	84	6th	42	2nd	79·9	54·7	66·9	+14·1	1	0·01	0	- 14	Greenwich	7·3	+3·7	64	1	28	—	—	—	—
a Hampstead	450	84	6th	50	2nd	76·6	55·7	65·8	—	1	0·05	1	—	Hampstead	6·7	—	59	0	36	—	—	—	—
ag Camden Square	110	84	5, 6	42	2nd	78·9	54·1	66·1	+12·7	1	0·02	1	- 13	Camden Square	—	—	—	0	39	58·3	—	58·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	—	—	—	—	—	—	—	—	5	0·47	12	- 11	Aspatria	2·0	- 1·7	18	—	—	—	—	—	+
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	71	6th	48	2nd	64·1	54·4	59·1	+8·8	6	0·96	24	- 2	Stonyhurst	2·1	- 1·1	18	0	43	—	—	—	—
h Blackpool	66	73	5th	52	2nd	66·3	56·1	61·1	+9·5	6	0·48	12	- 9	Blackpool	1·8	- 1·9	16	0	42	56·6	—	55·6	—
h Southport	37	74	6th	51	2nd	65·3	55·6	60·3	+8·7	6	0·68	17	- 3	Southport	2·1	- 1·5	18	0	46	57·2	+3·6	57·2	+1·3
														Hoylake	2·1	- 1·3	19	—	—	—	—	—	—
t Liverpool (Bidston)	188	73	6th	46	2nd	66·7	54·3	60·3	+8·3	3	1·03	26	+ 8	Liverpool	2·0	—	17	0	42	—	—	—	—
a Hawarden Bridge	22	77	6th	45	2nd	68·0	55·4	61·5	+9·1	3	1·65	42	+27	Manchester City	1·9	- 0·7	17	0	44	57·9	+3·9	58·7	+2·2
p Manchester (Whit. Pk.)	125	79	6th	48	2nd	68·1	55·1	61·4	+9·1	4	1·05	27	+ 9	„ Whit. Pk.	2·4	- 0·1	21	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	78	5th	56	4th	68·1	58·4	63·1	+9·8	5	1·04	26	+ 7	Llandudno	1·7	- 1·2	15	—	—	—	—	—	—
t Holyhead	15	75	5th	56	3, 5	64·9	57·1	60·9	+7·7	5	1·01	26	+ 5	Holyhead	1·4	—	12	0	48	—	—	—	—
a Aberdovey	60	77	5th	58	8th	69·4	59·7	64·4	—	5	2·28	58	—	Aberdovey	2·6	- 1·4	23	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	79	5th	56	8th	70·1	59·1	64·4	—	3	1·14	29	—	Aberystwyth	2·9	— 1·1	26	—	—	—	—	—	—
a Rhayader	757	75	6th	41	2nd	68·4	52·1	60·0	—	2	0·93	24	—	Rhayader ..	3·4	—	30	0	32	—	—	—	—
t Pembroke	149	69	5th	37	8th	63·4	58·7	61·0	+7·3	3	0·74	19	— 3	Pembroke ..	3·1	— 0·7	27	—	—	—	—	—	—
p Cardiff	202	76	6th	51	2nd	70·7	56·4	63·3	+11·3	2	0·56	14	— 11	Cardiff ..	5·6	—	50	0	42	59·3	+4·6	58·1	+1·8
b, ENGLAND, S.W.																							
h Bath	66	82	5th	49	2nd	76·6	55·6	65·8	+13·6	2	0·16	4	— 13	Bath	6·7	+2·9	59	—	—	—	—	—	—
a Shaftesbury	722	77	5, 6	51	8th	73·6	55·9	64·5	+13·0	1	0·05	1	— 20	Shaftesbury ..	—	—	—	—	—	61·1	—	59·5	—
a Arlington	613	74	5, 6	50	8th	70·1	56·1	62·9	+11·4	2	0·41	10	— 24										
h Newquay	190	71	5th	49	8th	67·9	56·1	61·8	+7·3	3	0·17	4	— 18	Newquay ..	4·9	+0·7	43	—	—	60·2	—	58·8	—
a Cullompton	202	79	6th	45	2nd	75·0	50·6	62·4	+10·3	4	0·12	3	— 18	Cullompton ..	5·8	+2·3	51	0	35	59·0	—	—	—
t Portland Bill	19	68	4, 5, 6	55	8th	65·7	58·4	61·9	+7·0	2	0·21	5	— 13	Weymouth ..	4·6	—	40	—	—	—	—	—	—
p Plymouth	116	76	5th	48	8th	69·0	55·7	62·2	+8·3	2	0·22	6	— 15	Plymouth ..	4·9	+0·8	43	0	44	60·4	+4·1	59·1	—
t Falmouth	167	72	6th	54	7th	65·4	57·3	61·2	+7·2	4	0·38	10	— 16	Falmouth ..	1·8	— 2·4	16	0	46	60·3	—	—	—
9. IRELAND, N.																							
t Malin Head	208	69	5th	50	7th	60·9	54·7	57·7	+5·9	6	0·78	20	+3	Malin Head ..	1·1	—	9	—	—	—	—	—	—
t Blacksod Point ..	10	69	5th	52	2nd	62·6	55·1	58·7	+6·0	7	1·17	30	+3										
a, West .. { *a* Mallarany	120	68	5th	52	7th	63·4	54·6	58·9	—	7	1·51	38	—	Mallarany ..	1·2	—	10	0	45	—	—	—	—
p Markree Castle.. ..	122	70	5th	45	7th	65·1	53·1	58·9	+8·6	7	0·42	11	— 11	Markree Castle	1·2	— 1·7	10	0	38	57·9	+3·3	56·3	+1·0
b, East .. { *p* Armagh..	204	68	5th	51	7th	63·9	53·9	58·8	+8·2	6	0·50	13	— 2	Armagh ..	0·9	— 2·1	8	0	46	57·1	+2·9	55·7	+0·7
t Donaghadee	35	63	3, 8	53	3, 4, 7	61·6	54·7	58·1	+6·4	6	0·76	19	+3										
														Trinity Coll.	—	—	—	0	40	58·4	+3·6	56·9	+1·6
10. IRELAND, S.														Phœnix Park	1·0	— 2·7	9	0	41	—	—	—	—
p Dublin City	54	70	5th	54	3, 7	65·6	57·0	61·2	+9·0	6	0·66	17	+4	Dublin City ..	—	—	—	0	49	—	—	—	—
t Birr Castle	175	69	4, 5	49	7th	65·4	56·1	60·6	+10·4	6	0·76	19	+5	Birr Castle ..	1·7	— 1·8	15	0	40	—	—	—	—
a Kilkenny	195	69	4th	50	7th	66·0	56·0	60·9	+10·0	4	0·94	24	+9										
a Waterford	137	68	5th	55	2, 7	64·1	57·7	60·8	+8·5	5	1·42	36	+18										
p Seskin, Carrick-on-Suir	542	67	4, 8	50	7th	64·1	54·7	59·3	—	4	0·97	25	—	Seskin ..	2·1	—	18	0	45	—	—	—	—
a Foynes	50	70	4, 5	51	7th	66·1	56·3	61·1	+9·0	5	0·32	8	— 10										
t Cahirciveen (Val. Obs.)	30	69	2, 4	49	7th	64·7	58·4	61·5	+8·0	6	0·66	17	— 10	Cahirciveen ..	3·2	— 0·5	28	0	43	—	—	—	—
a Killarney	174	73	4th	51	7th	67·4	57·6	62·4	+9·9	6	0·58	15	— 10	Ballinacurra	2·8	— 0·7	25	—	—	—	—	—	—
t Roche's Point	32	65	4, 6	55	7th	63·6	58·7	61·1	+7·7	7	0·82	21	+2										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	68	5th	52	8th	63·9	56·7	60·2	+4·9	6	0·24	6	— 14	Scilly ..	3·0	— 1·2	26	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	78	5th	55	4, 8	75·4	59·0	67·0	+11·1	0	0·00	0	— 23	St. Heliers ..	8·8	+4·3	77	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	—	—	—	—	—	—	—	—	—	—	—	—	Guernsey† ..	—	—	—	—	—	—	—	—	—

* See footnote to previous page.

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperature to Grange.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, October 8th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s.			
0. SCOTLAND, N.																			
**Deerness (Cup Anr.) ..	188	16	5	—	0	3, 4, 5, 7	18	66	57	27	0	300	14	7	16	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	94	59	14	220	6	7	13	14	7	12	40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	19	98	51	0	220	7	7†	13 } 14 }	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	25	80	63	0	210	10	7	12	17	7	12	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	7	2	38	75	53	0	230	11	7	11	20	7	10	55
Paisley	188	81	15	—	0	—	0	18	87	63	0	260	7	7	16	19	7	12	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	6	64	82	16	230	8	7	16	14	7	13	40
South Shields	72	61	12	—	0	—	0	25	69	74	0	270	9	7	20	14	7	15	35
Spurn Head	66	40	‡	Instrument Dismounted.															
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	43	102	23	0	240	9	3	8	17	3	8	40
Shoeburyness	103	90	‡	—	0	—	0	32	111	25	0	230	9	3	5	15	3	8	13
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	36	76	56	0	200	11	3	3	17	3	3	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	37	84	47	0	—	9	3	3	14	3	6	40
Larkhill, S'y Plain ..	513	63	43	—	0	2, 3, 5	8	56	98	6	0	200	13	3	2	18	3	0	25
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	19	90	59	0	220	10	3	4	17	3	3	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	47	115	6	0	230	10	7	15	—	—	—	—
Southport	80	62	48	—	0	7	5	52	98	13	0	240	13	7	17	18	7	16	55
Holyhead	60	40	‡	—	0	7	1	64	97	6	0	200	11	7	12	17	7	12	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	2	6	2, 3, 5	14	43	64	41	0	230	20	2	20	25	2	18	35
Plymouth	185	88	2	—	0	2	5	18	72	73	0	—	14	2	19	18	2	21	55
Lyme Regis	556	61	‡	—	0	—	0	12	61	95	0	—	10	2	23	14	2	22	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	41	96	31	0	{ 170 160	9	5	11 15	—	—	—	—
Quilty	100	40	‡	—	0	5	3	84	73	8	0	—	13	5	12	18	5	12	50
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	5	6	71	66	25	0	170	12	5	11	18	5	11	15
Weaver Pt.	160	30	‡	—	0	—	0	71	80	2	15	—	10	7	13	17	7	14	25
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	2	11	45	105	7	0	150	15	2	14	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

**For Deerness the week ends at midnight on Friday.

†Also from 150° at 14h. on 4th.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTIETH WEEK of 1921—October 2nd to October 8th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	74	36	87·8	81·5	84·6	+2·2	76	+24	0	− 2	6	+ 1	1·53	39	+ 8	1·8	− 1·0	16	1010
Eastern.																			
1. SCOTLAND, EAST ..	72	34	88·6	81·3	84·8	+2·2	79	+24	0	− 3	5	+ 1	0·86	22	+ 5	2·1	− 1·2	19	1011
2. ENGLAND, N.E. ..	78	40	91·6	84·8	88·1	+4·4	120	+55	0	− 1	3	− 1	0·55	14	− 1	2·6	− 1·1	23	1014
3. ENGLAND, EAST ..	81	39	94·8	85·9	90·2	+5·9	147	+74	0	− 1	2	− 2	0·41	10	− 3	5·3	+1.4	46	1016
4. MIDLAND COUNTIES	81	37	94·4	84·9	89·5	+6·0	138	+72	0	− 3	3	− 1	0·65	17	+ 3	4·0	+0·7	35	1015
5. ENGLAND, S.E. ..	83	36	96·3	85·6	90·8	+6·0	155	+75	0	− 1	1	− 3	0·05	1	− 17	6·8	+2·9	59	1016
Western.																			
6. SCOTLAND, WEST ..	73	46	89·8	84·1	86·8	+3·5	104	+41	0	− 1	6	+ 2	1·20	31	+ 5	—	—	—	1012
7. ENGLAND, N.W. ..	79	45	92·2	86·2	89·1	+5·2	133	+64	0	− 1	5	+ 1	0·97	25	+ 4	2·1	− 1·3	18	1013
8. ENGLAND, S.W. ..	82	41	94·0	86·2	89·9	+5·3	144	+68	0	0	2	− 2	0·38	10	− 14	4·2	+0·4	37	1014
9. IRELAND, NORTH ..	70	45	90·4	85·6	87·9	+4·2	118	+53	0	0	6	+ 2	0·72	18	− 2	1·0	− 1·9	9	1010
10. IRELAND, SOUTH ..	73	49	91·6	87·0	89·2	+5·0	134	+60	0	− 1	6	+ 2	0·77	20	+ 1	2·2	− 1·5	19	1010
11. ENGLISH CHANNEL..	78	52	93·9	87·4	90·6	+4·4	151	+52	0	0	3	− 1	0·12	3	− 18	5·9	+1·5	51	1014
MEAN: DISTRICTS 1-10	83	34	92·4	85·2	88·6	+4·8	127	+59	0	− 1	4	0	0·66	17	− 2	3·4	− 0·2	29	1013

THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, August 28th to October 8th, 1921.

0. SCOTLAND, NORTH ..	74	30	87·3	81·0	84·0	+ 0·2	409	+ 3	0	− 4	27	− 1	5·77	146	− 4	2·7	− 0·7	22	1013
Eastern																			
1. SCOTLAND, EAST ..	75	30	88·7	80·8	84·6	+ 0·5	455	+ 22	0	− 6	20	− 3	3·20	82	− 7	4·1	+ 0·1	32	1015
2. ENGLAND, N.E. ..	80	36	91·2	82·9	86·8	+ 1·4	627	+109	0	− 1	12	− 8	2·29	59	− 10	5·1	+ 0·6	41	1018
3. ENGLAND, EAST ..	85	34	93·2	83·6	88·2	+ 1·9	731	+147	0	− 1	11	− 8	2·02	52	− 19	5·8	+ 0·8	46	1019
4. MIDLAND COUNTIES	84	33	92·7	82·3	87·3	+ 1·7	656	+119	0	− 5	12	− 7	2·58	66	− 8	5·4	+ 1·1	43	1019
5. ENGLAND, S.E. ..	85	30	93·9	83·8	88·6	+ 1·8	757	+133	0	− 1	8	−11	1·14	30	− 53	6·4	+ 1·2	51	1019
Western.																			
6. SCOTLAND, WEST ..	74	33	89·4	82·2	85·6	+ 0·8	533	+ 59	0	− 2	23	+ 1	5·28	135	− 6	—	—	—	1017
7. ENGLAND, N.W. ..	81	33	90·8	83·4	86·9	+ 1·3	630	+ 96	0	− 1	16	− 6	3·43	87	− 20	5·2	+ 0·9	41	1018
8. ENGLAND, S.W. ..	82	30	92·4	84·0	88·0	+ 1·7	716	+130	0	− 1	11	−11	2·33	60	− 52	5·3	+ 0·5	43	1019
9. IRELAND, NORTH ..	73	35	89·8	82·7	86·1	+ 1·0	569	+ 72	0	0	22	− 4	3·23	82	− 29	3·6	− 0·1	28	1016
10. IRELAND, SOUTH ..	75	36	90·7	83·7	87·0	+ 1·1	641	+ 86	0	− 1	23	0	3·45	87	− 18	4·5	+ 0·2	36	1017
11. ENGLISH CHANNEL..	80	46	93·2	86·5	89·7	+ 1·8	840	+129	0	0	13	− 8	1·14	30	− 63	6·9	+ 1·0	55	1018
MEAN: DISTRICTS 1-10..	85	30	91·3	82·9	86·9	+ 1·3	632	+ 97	0	− 2	16	− 6	2·90	74	− 22	5·0	+ 0·6	40	1018

THE YEAR. Aggregates, &c., for the Period of 40 Weeks, January 2nd to October 8th, 1921.

0. SCOTLAND, NORTH ..	81	16	85·2	78·6	81·8	+ 0·6	1995	+126	348	−195	175	− 9	37·89	964	+54	3·6	0·0	26	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·3	78·3	82·1	+ 0·7	2225	+141	451	−172	143	−13	20·01	507	− 62	4·6	+ 0·4	34	1014
2. ENGLAND, N.E. ..	92	22	87·9	79·9	83·7	+ 1·4	2910	+519	250	−223	114	−26	12·94	333	−123	4·9	+ 0·3	37	1017
3. ENGLAND, EAST ..	91	23	89·2	80·4	84·6	+ 1·6	3346	+604	227	−268	89	−46	9·45	242	−194	5·7	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	89·2	79·8	84·3	+ 1·5	3199	+534	253	−274	105	−29	13·23	338	−148	5·1	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	89·6	81·0	85·0	+ 1·4	3462	+550	170	−210	92	−39	9·23	237	−238	5·8	+ 0·6	44	1018
Western.																			
6. SCOTLAND, WEST ..	82	19	86·7	79·6	83·0	+ 0·8	2596	+311	240	−178	164	+ 1	35·56	903	+63	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·6	80·6	83·9	+ 1·2	2918	+426	161	−222	133	−15	21·39	545	− 89	5·0	+ 0·5	38	1017
8. ENGLAND, S.W. ..	89	22	88·7	81·0	84·7	+ 1·3	3270	+527	131	−171	114	−33	16·46	420	−254	5·5	+ 0·6	42	1019
9. IRELAND, NORTH ..	86	23	87·3	80·3	83·6	+ 1·0	2754	+380	148	−192	161	−19	23·25	588	−111	4·1	+ 0·1	30	1015
10. IRELAND, SOUTH ..	90	23	88·3	81·0	84·5	+ 1·1	3163	+435	117	−144	154	− 5	24·00	612	−110	4·7	+ 0·2	35	1018
11. ENGLISH CHANNEL..	87	32	89·0	83·0	86·1	+ 1·5	3723	+553	27	− 78	114	−36	11·73	300	−248	6·4	+ 0·5	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	88·1	80·2	83·9	+ 1·2	2984	+443	215	−205	127	−22	18·55	473	−127	5·0	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
14th October, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 161

British Meteorological and Magnetic Year-Book. Part I.

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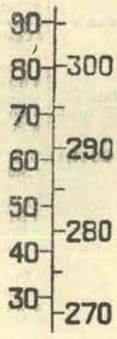
METEOROLOGICAL OFFICE 24 OCT 1921

I.—GENERAL SUMMARY. [First published in 1878.]

For the first few days of the week the weather was affected by a depression (secondary to the main one over Iceland), and thunderstorms occurred in many parts of the British Isles. Exceptionally heavy falls of rain were recorded at one or two stations in the northern parts of Ireland on the 9th, when 82mm. were registered at Mallarany and 78mm. at Blacksod Point. There were also two rather heavy falls at Falmouth, the total for the two days 9th and 10th being as much as 49mm. After Wednesday the conditions became anti-cyclonic and there was a gradual improvement in the weather in most places, and with the exception of Ireland N. the rainfall for the week was below the normal in all districts. The highest temperatures occurred, as a rule, on the 9th when the maxima rose to 300a at a few stations in the eastern and south-eastern parts of England, including London; subsequently there was a very marked fall of temperature, and towards the end of the week at several stations the maximum temperature failed to rise above 289a. Minima in the screen of 272a and less were recorded in places, while frost on the grass was registered at quite a number of stations, the actual lowest being about 269a at Balmoral on the 13th and Wisley (Surrey) on the 15th. The mean daily range of temperature for the week was as much as 13a at one or two of our eastern and south-eastern stations. Mean temperature was above the normal in all districts, the excess ranging from 4·7a in England E. to 3·0a in Scotland N. The mean amount of bright sunshine was generally in excess of the normal. Several records of 9 hours were obtained in various places, mostly on the first day of the week. The largest amounts recorded were 9·9 hours at Worthing, 9·8 hours at Crathes (Kincardine) and 9·7 hours at St. Leonards and Eastbourne. The mean departure from the normal ranged from +2·9 hours at Birmingham to —1·8 hours at Stornoway. Solar halos were observed at Birmingham, Greenwich, Oxford, Richmond (Kew Observatory) and Ross-on-Wye on several occasions during the week. Lunar halos were seen at a number of stations, generally on the 9th, 12th or 13th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	14	3·2	11	2·2	9	2·8	10	2·3	17	3·5	18	2·9	14	3·2	8	3·3
North	10	3·4	2	0·8	11	2·0	2	1·6	6	3·6	8	1·7	9	1·4	13	4·1
West	14	5·4	16	4·6	16	1·9	5	1·4	16	2·3	2	2·3	13	3·4	4	3·2
East	11	2·9	1	2·5	2	1·6	5	1·9	7	1·9	23	3·9	12	2·3	16	2·6
Calm	2	—	11	—	7	—	15	—	4	—	1	—	3	—	7	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
	Rainfall ..	Light	Light	Very Light	Light	Light	Very Light	Light	Light	Light	Moderate	Light	Light
	Sunshine ..	Scanty	Abundant	Very Abundant	Abundant	Very Abundant	Abundant	—	Very Abundant	Abundant	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 7 weeks from August 28th, 1921.	Warmth ..	4, 1, 2	4, 1, 2	5, 2, 0	4, 3, 0	4, 3, 0	4, 3, 0	5, 0, 2	5, 1, 1	5, 2, 0	5, 0, 2	5, 0, 2	6, 1, 0
	Rainfall ..	1, 4, 2	2, 1, 4	2, 1, 4	1, 1, 5	1, 2, 4	1, 0, 6	1, 3, 3	1, 2, 4	1, 0, 6	0, 5, 2	1, 3, 3	0, 1, 6
	Sunshine ..	2, 1, 4	3, 3, 1	3, 3, 1	3, 3, 1	3, 4, 0	4, 1, 2	—	4, 2, 1	3, 1, 3	2, 3, 2	3, 1, 3	3, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	61	9th	43	11, 14	54·0	45·4	49·6	+2·9	5	0·54	14	− 9										
p Deerness, Orkney	165	59	9th	44	14th	55·0	47·3	51·0	+3·8	6	0·52	13	− 9	Deerness	1·9	− 0·6	18	—	—	—	—	—	—
a, Islands *t* Stornoway	51	60	9th	46	12, 14	55·7	48·4	51·9	+4·8	7	0·89	23	− 7	Stornoway	1·0	− 1·8	10	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	61	9th	44	14th	55·9	47·9	51·8	+4·8	3	0·13	3	− 14										
a Strathpeffer	125	70	9th	42	13th	58·9	46·4	52·5	+5·8	3	0·37	9	− 6										
b, Main- *p* Glencarron	500	67	9th	43	12th	56·0	48·1	51·9	+5·8	7	1·58	40	− 8										
land. *a* Fort Augustus	68	72	9th	44	12th	60·0	48·7	54·2	+7·1	4	0·74	19	− 4										
p Fort William	171	71	9th	45	12th	58·7	50·3	54·4	+6·5	5	1·46	37	− 3										
1. SCOTLAND, E.																							
t Nairn	82	70	9th	41	13th	58·0	46·3	52·0	+5·5	3	0·36	9	− 5	Nairn	3·3	—	30	—	—	—	—	—	—
p Gordon Castle	101	75	9th	42	13th	61·6	48·0	54·6	+7·0	3	0·42	11	− 7	Gordon Castle	3·3	—	31	—	—	—	—	—	—
t Aberdeen	46	71	10th	43	13th	60·3	48·9	54·4	+6·7	2	0·07	2	− 15	Aberdeen	4·6	+1·4	43	0	32	—	—	52·5	+1·5
a Balmoral	930	69	9th	29	13th	58·4	41·7	49·8	+5·8	4	0·20	5	− 16	Balmoral	—	—	—	1	25	—	—	—	—
p Crieff	432	70	9th	40	13th	60·7	46·7	53·5	+6·2	5	0·48	12	− 11	Crathes	4·4	+1·3	41	2	28	51·0	—	50·8	—
a Dundee	244	69	9th	32	13th	60·0	44·4	52·0	+4·8	5	0·29	7	− 9	Dundee	4·6	—	43	1	29	53·6	—	—	—
t Inchkeith (F. of Forth)	190	66	10th	45	13th	57·4	50·9	54·1	—	4	0·50	13	—	Inchkeith (F. of Forth)	—	—	—	0	42	—	—	—	—
p Edinburgh	441	68	10th	45	13th	60·7	49·0	54·7	+6·8	4	0·65	16	+ 1	Edinburgh	5·1	+1·7	47	0	41	—	—	—	—
a West Linton	769	73	9th	30	13th	60·4	43·3	51·6	+7·0	5	0·61	15	—	West Linton	—	—	—	1	28	—	—	—	—
a Marchmont	498	75	9th	37	13th	60·6	47·1	53·7	+7·0	2	0·10	3	− 19	Marchmont	4·6	+1·7	42	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	71	9th	45	12th	60·4	51·8	56·0	—	4	1·08	27	—	Ford (Argyll)	—	—	—	0	40	55·9	—	55·8	—
t Renfrew	49	74	9th	42	13th	61·0	47·9	54·3	—	4	0·57	15	—	Renfrew	—	—	—	0	36	—	—	—	—
p Rothesay	200	65	9th	46	12, 14	58·7	48·1	53·2	+4·4	4	0·67	17	− 8	Rothesay	2·4	—	23	0	41	55·0	—	54·0	+1·9
a Kilmarnock	90	73	9th	45	12, 13	62·0	50·1	55·9	+8·4	3	0·36	9	− 11	Kilmarnock	3·6	—	33	—	—	55·3	—	54·3	—
a Colmonell	170	71	9th	39	15th	62·3	49·3	55·6	+6·8	5	0·49	12	− 13	Colmonell	—	—	—	0	36	—	—	—	—
p Dumfries	160	76	9th	40	13th	63·6	46·4	54·8	+6·4	3	0·13	3	− 18	Dumfries	4·5	—	42	0	32	56·2	+5·6	55·2	+1·4
t Eskdalemuir	794	71	9th	32	13th	58·4	45·1	51·6	—	4	0·25	6	—	Eskdalemuir	4·7	—	43	2	27	—	—	—	—
b, I. OF MAN *h* Douglas	284	—	—	—	—	—	—	—	—	—	—	—	—	Douglas	—	—	—	—	—	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	71	10th	38	13th	63·0	57·6	55·1	+6.9	2	0·16	4	− 18	Cockle Park	5·5	+2·2	50	—	—	53·0	+3·7	53·9	+2·7
t Tynemouth	118	69	10th	44	14th	62·1	50·7	56·2	+7·3	1	0·04	1	− 17										
p Durham	336	71	9th	38	13th	65·3	46·9	55·8	+7·7	2	0·09	2	− 17	Durham	5·4	+2·4	50	1	29	—	—	—	—
a North *p* Rounton	249	74	9th	40	13, 15	66·1	47·3	56·4	+8·5	1	0·07	2	− 15	Rounton	—	—	—	1	30	56·4	—	—	—
a West Witton	605	70	10th	46	13, 15	62·9	49·6	56·1	—	3	0·21	5	—	West Witton	—	—	—	0	36	54·5	—	53·3	—
h Scarborough	118	72	10th	45	15th	66·6	54·0	60·1	+10·0	2	0·03	1	− 18	Scarborough †	5·1	+1·8	47	—	—	—	—	58·1	—
p York	56	74	9th	44	15th	66·4	50·7	58·3	+9·0	3	0·11	3	− 13	York	5·2	+2·3	47	—	—	57·3	+4·1	56·5	+2·1
t Spurn Head	26	74	10th	48	15th	65·6	54·4	59·8	+8·8	0	0·00	0	− 15	Spurn Head	6·7	—	62	—	—	—	—	—	—
b, South *a* Lincoln	58	76	9th	41	15th	67·3	50·0	58·4	+8·8	1	0·03	1	− 15	Lincoln	—	—	—	0	38	57·9	+5·4	57·7	+3·1
t Cranwell	237	74	9th	41	13th	66·1	41·4	57.5	+7·8	2	0·06	1	− 14	Cranwell	6·3	+2·7	58	0	37	—	—	—	—
														Skegness	6·1	+2·2	56	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	77	10th	45	15th	67·3	53·6	60·3	+9·1	4	0·06	1	− 16	Cromer	6·2	+2·4	57	—	—	—	—	—	—
a Little Massingham	277	78	9th	41	15th	66·3	52·9	59·4	+10·2	4	0·09	2	− 17	Lit Massingham	5·4	+2·0	50	—	—	—	—	—	—
t Yarmouth	13	73	10th	41	15th	66·0	53·9	59·8	+8·6	1	0·01	0·2	− 18	Yarmouth	6·6	—	60	0	40	60·3	+6·0	59·0	+2·6
a Norwich	93	77	9th	39	15th	67·4	51·0	59·0	+8·6	2	0·30	8	− 11	Norwich	6·2	—	57	0	33	57·1	—	—	—
a Geldeston	37	78	10th	37	15th	69·4	48·0	58·4	+7·6	2	0·02	1	− 16	Geldeston	6·4	+2·5	58	—	—	—	—	—	—
p Cambridge	41	80	9th	37	15th	69·4	46·3	57·5	+ 7·3	2	0·22	6	− 9	Cambridge	6·0	+2·3	55	0	31	59·5	+5·8	59·5	+3·4
t Clacton-on-Sea	54	70	10th	42	15th	65·6	55·1	60·2	+ 8·5	3	0·20	5	− 7	Clacton-on-Sea	6·3	+2·3	58	0	39	60·4	+5·0	60·2	+3·5
a Rothamsted	420	76	9th	37	15th	67·0	49·7	58·1	+ 8·6	2	0·15	4	− 15	Rothamsted	5·7	+2·1	52	1	30	57·2	—	—	—
p Tottenham	51	78	9th	41	15th	68·4	50·7	59·3	—	2	0·32	8	—	Tottenham	4·7	—	43	—	—	—	—	62·5	+5·0
														Southend	5·6	—	52	0	42	63·8	+6·3	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	70	9th	42	15th	63·6	49·6	56·4	+ 8·3	3	0·06	1	− 20	Harrogate	4·8	+1·7	44	0	32	55·4	+4·2	54·9	+2·7
a North *p* Sheffield	429	73	9th	45	13, 15	64·9	51·1	57·8	—	2	0·67	17	—	Sheffield	5·1	+2·2	47	0	33	56·0	+4·1	55·8	+2·5
p Buxton	987	71	9th	41	13th	62·6	48·1	55·1	+ 8·6	3	0·20	5	− 26	Buxton	4·7	—	43	0	36	56·9	+5·5	55·9	+3·3
a Worksop	56	75	9th	40	15th	67·1	47·7	57·1	+ 7·8	3	0·99	25	+ 8	Worksop	4·5	+1·7	42	0	32	56·9	--	56·5	—
t Nottingham	82	75	9th	40	15th	66·6	50·6	58·4	+ 9·0	3	0·24	6	− 10	Nottingham	5·6	+2·7	51	0	35	58·1	+6·1	58·5	+3·7
b, East *p* Birmingham, Edgbsn.	525	76	9th	42	15th	67·0	51·0	58·8	+ 9·3	2	0·12	3	− 15	Birmingham	5·3	+2·9	48	1	30	56·1	+4·9	55·0	+2·6
a Raunds	213	81	9th	36	15th	69·9	48·4	58·8	+ 9·1	2	0·10	3	− 13	Raunds	5·8	—	53	0	32	59·4	—	—	—
p Oxford	208	78	9th	38	15th	69·6	48·7	58·8	+ 8·5	1	0·02	1	− 17	Oxford	6·0	+2·6	55	1	29	—	—	—	—
														Malvern	5·6	—	52	0	36	59·3	—	59·1	—
a Cheadle (N. Staffs.)	646	72	9th	39	15th	63·4	49·4	56·2	+ 8·0	3	0·18	5	− 16	Cheadle	—	—	—	0	32	—	—	—	—
c, West *p* Tenbury	313	74	9th	31	15th	67·0	45·4	55·9	+ 6·8	1	0·09	2	− 15	Tenbury	—	—	—	1	29	57·6	—	—	—
a Hereford	291	75	9th	31	15th	65·7	45·9	55·5	+ 6·0	1	0·24	6	− 13	Ross on Wye	5·3	—	49	0	31	59·0	—	58·9	—
a Clifton	225	75	9th	41	15th	67·9	52·1	59·8	+ 8·6	1	0·13	3	− 21	Clifton	5·6	—	51	0	40	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	77	9th	30	15th	68·0	45·7	56·5	+ 7·8	1	0·06	1	− 18	Worthing	5·4	+1·2	49	0	38	58·9	+3·8	59·1	+1·9
a Porton	340	77	9th	31	15th	68·6	48·3	58·2	—	1	0·11	3	—	Marlborough	4·5	+1·3	41	1	29	58·3	—	57·5	—
a Wisley, Surrey	150	80	9th	33	15th	70·9	47·4	58·8	+ 8·8	2	0·06	2	− 15	Porton	—	—	—	1	27	58·5	—	—	—
h Tunbridge Wells	354	78	9th	37	15th	69·7	50·9	60·0	+ 9·2	2	0·29	7	− 14	Wisley, Surrey	5·8	+2·3	53	1	24	57·9	+4·0	58·0	+2·3
h Margate	51	75	10, 11	47	15th	67·9	56·4	62·0	+ 9·4	3	0·04	1	− 15	Tunbridge Wells	5·4	+1·5	49	1	28	59·4	+4·3	59·2	—
														Margate	5·3	+1·6	48	0	42	62·8	+8·6	63·0	+6·9
t Dungeness	21	72	9th	41	15th	66·3	54·1	60·0	+ 7·5	2	0·04	1	− 18	Folkestone	6·4	—	59	0	35	—	—	60·3	—
h St. Leonards	178	72	9, 11	46	15th	66·9	55·3	60·9	+ 8·3	3	0·13	3	− 18	St. Leonards	6·3	+2·1	57	0	39	61·1	—	60·2	—
p Southampton	64	77	9th	41	15th	69·1	51·1	59·8	+ 7·5	1	0·05	1	− 21	Southampton	4·8	+1·0	43	3	31	—	—	—	—
a Ventnor	59	71	9th	49	15th	67·6	55·6	61·4	+ 7·3	1	0·03	1	− 21	Ventnor	5·0	+1·0	46	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	80	9th	39	15th	69·4	49·3	59·1	+ 8·4	2	0·05	1	− 14	Richmond	5·4	+2·2	49	1	29	58·5	+5·0	58·1	+2·7
a Westminster	27	80	9th	42	15th	70.9	53·0	61·7	+ 9·7	2	0·26	7	− 6	Westminster	5·3	+2·8	49	0	35	—	—	—	—
ag Greenwich	149	81	9th	38	15th	70·7	50·7	60·4	+ 9·4	3	0·41	10	− 4	Greenwich	6·1	+2·7	56	1	29	—	—	—	—
a Hampstead	450	78	9th	43	15th	68·6	53·3	60·7	—	2	0·23	6	—	Hampstead	6·0	—	55	0	32	—	—	—	—
ag Camden Square	110	81	9th	40	15th	70·9	51·4	60·9	+ 9·4	2	0·23	6	− 9	Camden Square	—	—	—	0	39	58·5	—	58·3	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	74	9th	43	14th	62·7	48·1	55·2	+6·8	2	0·24	6	− 18	Aspatria	5·1	+1·7	46	0	33	55·5	+5·4	54·9	+2·4
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	72	9th	41	13th	63·3	51·1	57·0	+8·4	3	0·83	21	− 5	Stonyhurst	4·3	+1·5	40	0	37	—	—	—	—
h Blackpool	66	74	9th	45	13, 15	65·0	52·4	58·5	+8·5	2	0·21	5	− 16	Blackpool	5·0	+1·7	46	0	38	57·7	—	55·6	—
h Southport	37	74	9th	46	13th	64·8	52·7	58·6	+8·6	2	0·59	15	− 5	Southport	4·5	+1·3	42	0	39	57·6	+5·7	57·8	+3·0
														Hoylake	5·7	+2·6	53	—	—	—	—	—	—
t Liverpool (Bidston)	188	71	9th	47	15th	63·4	52·9	58·0	+7·7	2	0·67	17	− 2	Liverpool	4·9	—	45	0	38	—	—	—	—
a Hawarden Bridge	22	74	9th	47	13th	66·1	52·4	59·1	+8·3	3	0·22	6	− 11	Manchester City	3·6	+1·3	33	0	39	58·5	+5·8	58·9	+3·1
p Manchester (Whit. Pk.)	125	79	9th	42	15th	67·6	51·7	59·4	+8·8	2	0·26	7	− 12	,, Whit. Pk.	4·6	+2·4	42	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	77	9th	42	15th	66·1	52·4	59·1	+7·3	1	0·23	6	− 14	Llandudno	5·5	+2·0	50	—	—	—	—	—	—
t Holyhead	15	76	9th	46	15th	63·6	53·6	58·5	+6·6	4	0·81	21	− 2	Holyhead	4·8	—	44	0	37	—	—	—	—
a Aberdovey	60	75	9th	45	15th	67·0	55·9	61·3	—	3	0·20	5	—	Aberdovey	5·9	+2·4	54	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day			Ground Temperature					
		Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																						
h Aberystwyth	16	77	9th	40	15th	66·6	54·1	60·2	—	2	0·14	4	—	Aberystwyth	6·0	+2·4	55	—	—	—	—	—
a Rhayader	757	—	—	—	—	—	—	—	—	—	—	—	—	Rhayader ..	—	—	—	—	—	—	—	—
t Pembroke	149	67	9th	47	15th	62·1	55·6	58·8	+6·3	1	0·08	2	- 22	Pembroke ..	4·1	+0·6	37	—	—	—	—	—
p Cardiff	202	74	9th	40	15th	66·1	51·7	58·7	+8·3	2	0·25	6	- 22	Cardiff ..	4·9	—	45	0	33	59·7	+6·0	58·4	+2·7
b, ENGLAND, S.W.																						
h Bath	66	79	9th	34	15th	69·0	50·3	59·4	+8·9	1	0·08	2	- 17	Bath	4·9	+1·4	45	—	—	60·0	+3·5	59·8	+1·9
a Shaftesbury	722	74	9th	45	15th	66·0	52·9	59·3	+9·5	2	0·29	7	- 16	Shaftesbury ..	—	—	—	—	—	60·9	—	60·2	—
a Arlington	613	73	9th	43	15th	65·1	53·8	59·3	+9·3	2	0·81	21	- 16										
h Newquay	190	71	9th	40	15th	64·5	53·6	58·9	+5·7	3	0·78	20	- 3	Newquay ..	4·9	+1·1	45	—	—	60·0	—	58·9	—
a Cullompton	202	76	9th	36	15th	69·7	50·4	59·8	+9·4	3	0·16	4	- 20	Cullompton ..	4·4	+1·3	40	1	27	60·0	—	—	—
t Portland Bill	19	67	9th	55	9, 13	65·0	56·7	60·7	+7·2	1	0·04	1	- 21	Weymouth ..	4·5	—	41	—	—	—	—	—	—
p Plymouth	116	74	9th	45	15th	68·1	53·9	60·8	+8·4	2	0·29	7	- 16	Plymouth ..	4·9	+1·2	45	0	38	59·8	+4·6	59·3	—
t Falmouth	167	67	11th	45	15th	64·6	54·4	59·4	+6·7	3	2·02	51	+22	Falmouth ..	3·6	- 0·3	32	0	40	60·1	—	61·5	—
9. IRELAND, N.																						
t Malin Head	208	68	9th	47	12, 13	59·6	52·6	56·0	+6·2	3	0·45	12	- 5	Malin Head ..	1·4	—	13	—	—	—	—	—	—
t Blacksod Point ..	10	61	13th	46	12th	57·6	51·0	54·2	+3·5	6	4·40	112	+83										
a, West .. *a* Mallarany	120	63	12th	42	12th	58·4	48·0	53·1	—	5	4·35	110	—	Mallarany ..	1·0	—	9	0	34	—	—	—	—
p Markree Castle..	122	64	9, 10	32	15th	60·9	47·6	54·1	+6·0	6	0·77	20	- 4	Markree Castle	1·7	- 1·1	15	1	27	57·1	+3·6	56·1	+1·4
p Armagh..	204	70	9th	40	15th	61·7	48·1	54·7	+6·4	3	0·21	5	- 11	Armagh ..	4·3	+1·5	40	0	33	57·0	+4·0	56·0	+1·6
b, East .. *t* Donaghadee ..	35	65	9, 10	40	15th	60·0	49·0	54·3	+4·6	4	0·16	4	- 13										
														Trinity Coll.	—	—	—	1	29	58·2	+4·4	57·1	+2·4
10. IRELAND, S.														Phœnix Park	3·3	- 0·1	31	1	30	—	—	—	—
p Dublin City	54	68	10th	41	15th	62·0	52·3	57·0	+6·4	2	0·03	1	- 15	Dublin City ..	—	—	—	0	36	—	—	—	—
t Birr Castle	175	67	9th	38	15th	62·4	49·9	56·0	+7·6	4	0·26	7	- 10	Birr Castle ..	1·8	- 1·5	16	1	30	—	—	—	—
a Kilkenny	195	66	9th	39	15th	62·1	49·9	55·8	+6·6	3	0·23	6	- 13										
a Waterford	137	66	10th	38	15th	62·9	51·6	57·1	+6·3	2	0·19	5	- 18										
p Seskin, Carrick-on-Suir	542	63	9, 10	41	15th	60·4	49·3	54·7	—	4	0·55	14	—	Seskin ..	3·1	—	29	0	31	—	—	—	—
a Foynes	50	66	13th	39	15th	61·3	51·0	56·0	+5·4	4	0·94	24	+ 2										
t Cahirciveen (Val. Obs.)	30	65	9th	45	12th	61·6	53·0	57·2	+5·0	4	1·04	26	- 7	Cahirciveen ..	2·2	- 1·2	20	0	41	—	—	—	—
a Killarney	174	67	13th	44	15th	63·7	52·7	58·0	+7·1	4	1·01	26	- 6	Ballinacurra	1·7	- 1·6	16	—	—	—	—	—	—
t Roche's Point	32	62	9, 10	45	15th	60·6	54·0	57·2	+5·2	6	0·30	8	- 16										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	65	11, 14	51	15th	63·6	56·0	59·7	+5·3	3	1·02	26	+ 5	Scilly ..	4·0	- 0·2	36	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	74	9th	48	15th	69·1	57·9	63·3	+8·7	1	0·05	1	- 24	St. Heliers ..	4·6	+0·1	42	—	—	—	—	—	—
a Guernsey	180	72	9th	52	15th	68·7	57·0	62·7	+8·0	4	0·19	5	- 21	Guernsey ..	5·0	+0·5	46	0	44	63·0	+5·7	61·8	+2·7

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 15th, 1921.

District and Station.	Height.			Distribution of Wind. ‡‡								Extreme Velocities.							
				More than 17 m/s. or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
**Deerness (Cup Anr.) ..	188	16	5	—	0	14	15	65	78	10	0	290	14	14	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	125	34	8	290	6	14	12	14	14	11	40
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	13	125	30	0	280	9	14	11	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	56	56	56	0	190	11	13	17	16	13	16	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	13, 14	4	35	68	61	0	300	13	14	2	20	14	1	40
Paisley	188	81	15	—	0	—	0	26	87	55	0	290	7	14	6	17	13	22	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	3	54	102	9	310	7	14	12	14	14	12	25
South Shields	72	61	12	—	0	—	0	23	81	64	0	300	10	14	10	17	14	1	15
Spurn Head	66	40	‡	—	0	14	1	42	107	18	0	310	11	14	8	15	14	7	50
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	10	112	46	0	360	8	14	11	13	14	11	25
Shoeburyness	103	90	‡	—	0	—	0	4	116	48	0	100	7	9	15	9	14	12	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	1	79	88	0	340	6	14	12	13	14	6	0
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	6	128	34	0	—	7	9	19	11	9	16	50
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	17	126	2	23	340	9	14	9	12	14	9	25
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	0	74	94	0	160	5	9	12	9	9	11	30
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	14	4	37	122	5	0	280	13	14	2	—	—	—	—
Southport	80	62	48	—	0	14	1	41	120	6	0	330	11	14	3	15	14	2	15
Holyhead	60	40	‡	—	0	—	0	54	99	15	0	180	10	10	12	15	10	12	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	9, 10, 13	20	68	56	11	13	110	12	9	7	14	13	10	20
Plymouth	185	88	2	—	0	—	0	32	86	35	15	—	10	9	18	16	9	17	0
Lyme Regis	556	61	‡	—	0	—	0	0	120	37	11	—	5	14	8	7	14	7	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	36	114	18	0	170	9	10	10	—	—	—	—
Quilty	100	40	‡	—	0	10	1	69	79	19	0	—	13	10	9	18	10	8	45
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	10	7	54	63	44	0	350	13	10	9	19	10	8	25
Weaver Pt.	160	30	‡	—	0	10	3	62	94	9	0	—	12	10	8	18	10	8	40
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	9	1	51	95	21	0	120	11	9	14	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIRST WEEK of 1921—October 9th to October 15th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall: inches.	mm.	Deviation from Normal	Sunshine: Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.					mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	72	42	86·9	81·8	84·3	+3·0	72	+30	0	− 5	5	0	0·82	21	− 8	1·5	− 1·1	14	1016
Eastern.																			
1. SCOTLAND, EAST ..	75	29	88·4	81·1	84·7	+3·3	77	+30	0	− 6	4	0	0·34	9	− 11	4·4	+1·5	41	1018
2. ENGLAND, N.E. ..	76	38	91·6	83·1	87·2	+4·5	109	+54	0	− 2	2	− 2	0·07	2	− 16	6·0	+2·7	55	1021
3. ENGLAND, EAST ..	80	37	92·7	83·7	88·1	+4·7	120	+55	0	− 3	2	− 2	0·15	4	− 12	5·9	+2·2	54	1022
4. MIDLAND COUNTIES	81	31	92·3	82·4	87·2	+4·5	109	+51	0	− 5	2	− 2	0·22	6	− 13	5·3	+2·1	48	1022
5. ENGLAND, S.E. ..	80	30	93·2	83·8	88·4	+4·4	124	+52	0	− 3	2	− 2	0·09	2	− 17	5·4	+1·7	49	1022
Western.																			
6. SCOTLAND, WEST ..	76	39	89·3	82·4	85·8	+3·5	91	+39	0	− 3	4	0	0·54	14	− 13	—	—	—	1020
7. ENGLAND, N.W. ..	79	41	91·2	84·1	87·5	+4·4	113	+54	0	− 1	2	− 2	0·48	12	− 10	5·2	+2·2	48	1021
8. ENGLAND, S.W. ..	79	34	92·0	84·8	88·3	+4·5	123	+55	0	− 1	2	− 2	0·45	11	− 16	4·7	+1·3	43	1021
9. IRELAND, NORTH ..	70	32	88·8	82·8	85·7	+3·2	90	+38	0	− 2	4	− 1	1·04	27	+ 5	3·0	+0·2	28	1019
10. IRELAND, SOUTH ..	68	38	89·7	84·0	86·8	+3·5	104	+43	0	− 1	4	0	0·50	13	− 10	2·3	− 1·1	21	1020
11. ENGLISH CHANNEL..	74	48	92·5	86·9	89·6	+4·0	139	+50	0	0	3	− 2	0·42	11	− 12	4·5	+0·2	41	1021
MEAN: DISTRICTS 1-10	81	29	90·9	83·2	87·0	+4·1	106	+47	0	− 3	3	− 1	0·39	10	− 11	4·7	+1·3	43	1021

THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, August 28th to October 15th, 1921.

0. SCOTLAND, NORTH ..	74	30	87·2	81·1	84·0	+ 0·5	481	+ 33	0	− 9	32	− 1	6·59	167	− 12	2·6	− 0·6	21	1014
Eastern																			
1. SCOTLAND, EAST ..	75	29	88·6	80·9	84·6	+ 0·9	532	+ 52	0	−12	24	− 3	3·54	91	− 18	4·2	+ 0·4	34	1016
2. ENGLAND, N.E. ..	80	36	91·3	82·9	86·9	+ 1·9	736	+163	0	− 3	14	−10	2·39	62	− 25	5·3	+ 0·9	42	1018
3. ENGLAND, EAST ..	85	34	93·1	83·6	88·2	+ 2·4	851	+202	0	− 4	13	−10	2·17	56	− 31	5·9	+ 1·1	47	1019
4. MIDLAND COUNTIES	84	31	92·6	82·3	87·2	+ 2·0	765	+170	0	−10	14	− 9	2·80	72	− 21	5·3	+ 1·1	43	1019
5. ENGLAND, S.E. ..	85	30	93·8	83·8	88·5	+ 2·1	881	+185	0	− 4	10	−13	1·23	32	− 70	6·3	+ 1·3	51	1020
Western.																			
6. SCOTLAND, WEST ..	76	33	89·4	82·2	85·6	+ 1·2	624	+ 98	0	− 5	27	+ 1	5·82	149	− 19	—	—	—	1017
7. ENGLAND, N.W. ..	81	33	90·9	83·5	87·0	+ 1·7	743	+150	0	− 2	18	− 8	3·91	99	− 30	5·2	+ 1·1	42	1018
8. ENGLAND, S.W. ..	82	30	92·3	84·1	88·0	+ 2·1	839	+185	0	− 2	13	−13	2·78	71	− 68	5·2	+ 0·6	45	1019
9. IRELAND, NORTH ..	73	32	89·6	82·7	86·0	+ 1·3	659	+110	0	− 2	26	− 5	4·27	109	− 24	3·5	− 0·1	28	1016
10. IRELAND, SOUTH ..	75	36	90·6	83·7	87·0	+ 1·5	745	+129	0	− 2	27	0	3·95	100	− 28	4·2	0·0	34	1017
11. ENGLISH CHANNEL..	80	46	93·2	86·6	89·8	+ 2·2	987	+187	0	0	15	−11	1·53	40	− 76	6·7	+ 1·1	54	1019
MEAN: DISTRICTS 1-10..	85	29	91·2	83·0	86·9	+ 1·7	738	+144	0	− 5	19	− 7	3·29	84	− 33	5·0	+ 0·7	41	1018

THE YEAR. Aggregates, &c., for the Period of 41 Weeks, January 2nd to October 15th, 1921.

0. SCOTLAND, NORTH ..	81	16	85·2	78·7	81·8	+ 0·6	2067	+156	348	−200	180	− 9	38·71	985	+46	3·5	0·0	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·3	78·3	82·1	+ 0·7	2302	+171	451	−178	147	−13	20·35	516	− 73	4·6	+ 0·4	34	1014
2. ENGLAND, N.E. ..	92	22	88·0	80·0	83·8	+ 1·5	3019	+573	250	−225	116	−28	13·04	336	−138	5·0	+ 0·4	37	1017
3. ENGLAND, EAST ..	91	23	89·3	80·4	84·7	+ 1·7	3466	+659	227	−271	91	−48	9·60	246	−206	5·7	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	89·3	79·9	84·4	+ 1·6	3308	+585	253	−279	107	−31	13·45	344	−161	5·1	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	89·6	81·1	85·0	+ 1·4	3586	+602	170	−213	94	−41	9·32	239	−255	5·8	+ 0·6	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·8	79·7	83·1	+ 0·9	2687	+350	240	−181	168	+ 1	36·10	917	+50	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·7	80·7	84·0	+ 1·3	3031	+480	161	−223	135	−17	21·87	557	− 99	5·0	+ 0·5	38	1017
8. ENGLAND, S.W. ..	89	22	88·8	81·1	84·8	+ 1·4	3393	+582	131	−172	116	−35	16·91	431	−270	5·5	+ 0·6	42	1019
9. IRELAND, NORTH ..	86	23	87·3	80·3	83·7	+ 1·1	2844	+418	148	−194	165	−20	24·29	615	−106	4·0	0·0	30	1016
10. IRELAND, SOUTH ..	90	23	88·4	81·1	84·6	+ 1·2	3267	+478	117	−145	158	− 5	24·50	625	−120	4·6	+ 0·1	35	1018
11. ENGLISH CHANNEL..	87	32	89·1	83·1	86·2	+ 1·6	3870	+611	27	− 78	116	−39	12·17	310	−261	6·3	+ 0·4	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	88·2	80·3	84·0	+ 1·3	3090	+490	215	−208	130	−24	18·94	483	−138	5·0	+ 0·4	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

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21st October, 1921.

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SUNDAY, OCTOBER 16TH. TO SATURDAY, OCTOBER 22ND. 1921.

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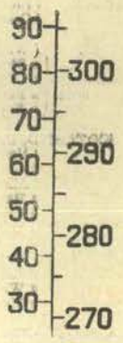
I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week varied a good deal in different parts of the British Islands. Over the southern half of England the first few days were mostly fine and warm, while later the weather became cloudy and unsettled, with rain in most parts of the country. Thunder was heard in places and towards the end of the week snow occurred in some parts of Scotland. The mean temperature was again above the normal in all districts (for the fifth week in succession). Maxima of 294a and above were registered in several places, the actual highest 297a being recorded at Raunds (Northampton) and also in London on the 18th. At a number of stations the night temperature fell to 273a and less, the lowest readings of the screen minima being registered generally on the morning of the 20th or 21st. The mean range of temperature at several stations was about 11a. Ground frost occurred in several places, and readings of 269a were obtained in many parts of the Kingdom, while at Rhayader (Radnor) a reading as low as 266a was recorded. Rainfall for the week was below the normal in the eastern and southern parts of England but above in most other districts. Several amounts of 25mm. and more were measured towards the end of the week, amongst the heaviest being 56mm. at Glencarron and 30mm. at Fort William on the 17th, 56mm at Blacksod Point, 31mm. at Colmonell (Ayrshire), 30mm. at Donaghadee on the 21st and 59mm. at Alnwick Castle on the 22nd, while the total for the two days 21st and 22nd was as much as 58mm. at Eskdalemuir, 51mm. at Aspatria, and 50mm. at West Linton (Peebles). The first three days were the sunniest days of the week in most parts of the country and at a large number of stations more than 9 hours were recorded each day; at most stations the mean amount for the week was above the normal. The mean departure from the normal ranged from +2·9 hours at Birmingham to −2·8 hours at Armagh. Aurora was witnessed at Aberdeen and Gordon Castle (Elgin) on the 21st. Solar halos were seen at Ross-on-Wye and Tenbury on the 17th, at Dublin on the 20th, at Aberdeen on the 20th and 21st and at Oxford on the 16th, 17th, 19th and 22nd. Lunar halos were observed on various dates at Aberdeen, Dublin, Oxford and Ross-on-Wye.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	19	5·2	20	5·1	16	3·4	9	3·6	21	4·9	20	3·5	22	4·3	19	4·8
North	9	2·2	3	3·3	7	2·0	3	1·3	5	7·4	7	3·1	4	3·5	8	4·9
West	23	5·8	19	3·8	20	2·9	10	2·5	20	3·8	9	5·1	17	3·7	13	2·8
East	1	1·4	1	1·8	1	0·7	2	1·2	1	1·1	17	2·4	8	1·4	13	1·5
Calm	0	—	3	—	4	—	15	—	1	—	1	—	2	—	1	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10 Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth	Moderate	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
	Rainfall	Heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Heavy	Light	Very Heavy	Moderate	Light
	Sunshine	Scanty	Scanty	Abundant	Abundant	Very Abundant	Very Abundant	—	Moderate	Abundant	Very Scanty	Very Scanty	Very Abundant

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 8 weeks from August 28th, 1921.	Warmth ..	**4**, 2, **2**	**5**, 1, **2**	**6**, 2, **0**	**5**, 3, **0**	**5**, 3, **0**	**5**. 3. **0**	**6**. 0, **2**	**6**, 1, **1**	**6**. 2 **0**	**6**. 0, **2**	**6**, 0, **2**	**7**, 1, **0**
	Rainfall ..	**2**, 4, **2**	**3** 1, **4**	**3**, 1, **4**	**1**, 2, **5**	1, 3, **4**	**1**, 1, **6**	**2**, 3, **3**	**2**, 2 **4**	**1**, 0, **7**	**1**, 5, **2**	**1**, 4, **3**	**0**, 1, **7**
	Sunshine ..	**2**, 1, **5**	**3**, 3, **2**	**4**, 3, **1**	**4**, 3, **1**	**4**, 4, **0**	**5**, 1, **2**	—	**4**, 3, **1**	**4**, 1, **3**	**2**. 3, **3**	**3**, 1, **4**	**4**, 3, **1**

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
	t Lerwick	54	58	16, 18	35	22nd	52·0	43·4	47·6	+1·5	7	1·57	40	+20									
	p Deerness, Orkney ..	165	57	16, 18	36	22nd	53·1	43·1	48·0	+1·3	7	0·95	24	+ 5	Deerness ..	1·6	- 0·8	16	—	—	—	—	—	—
a, Islands	*t* Stornoway	51	60	18th	33	22nd	53·6	44·3	48·8	+2·3	6	1·22	31	+ 5	Stornoway ..	0·6	- 2·1	6	—	—	—	—	—	—
	t Castlebay, Barra I. ..	37	58	18th	44	22nd	53·7	49·6	51·6	—	6	0·91	23	—	Castlebay ..	1·5	—	15	—	—	—	—	—	—
	t Wick	81	59	18th	30	22nd	52·9	42·3	47·4	+1·0	6	0·93	24	+ 9										
	a Strathpeffer	125	63	16, 18	34	22nd	55·3	41·7	48·3	+2·3	5	0·83	21	+ 8										
b, Main-	*p* Glencarron	500	66	18th	34	17, 22	53·7	39·4	46·3	+0·8	7	4·11	104	+62										
land.	*a* Fort Augustus	68	63	18th	34	22nd	54·6	43·4	48·8	+2·4	5	2·19	56	+36										
	p Fort William	171	62	18th	36	22nd	54·7	44·0	49·2	+1·9	6	3·16	80	+45										
1. SCOTLAND, E.																							
	t Nairn	82	67	18th	33	22nd	56·1	41·9	48·8	+3·1	5	0·61	16	+ 3	Nairn ..	3·0	—	29	—	—	—	—	—	—
	p Gordon Castle	101	65	16, 17	33	22nd	57·7	41·9	49·6	+2·8	6	0·72	18	+ 1	Gordon Castle	2·3	—	23	—	—	—	—	—	—
	t Aberdeen	46	64	18th	36	20th	55·7	45·7	50·6	+3·6	4	0·53	13	- 3	Aberdeen ..	1·8	- 1·0	18	2	25	—	—	52·2	+1·9
	a Balmoral	930	63	16th	30	20, 22	53·9	42·1	47·8	+4·6	6	0·58	15	- 5	Balmoral ..	—	—	—	2	25	—	—	—	—
	p Crieff	432	61	18th	34	22nd	54·6	43·6	48·9	+2·4	7	1·31	33	+11	Crathes ..	2·1	- 0·7	20	2	25	49·5	—	50·4	—
	a Dundee	244	63	18th	32	20th	54·1	43·6	48·7	+2·3	6	0·92	23	+ 8	Dundee ..	1·1	—	11	1	25	52·0	—	—	—
	t Inchkeith (F. of Forth)	190	63	18th	40	21, 22	55·1	48·1	51·5	—	5	1·75	44	—	Inchkeith (F. of Forth)	—	—	—	0	39	—	—	—	—
	p Edinburgh	441	65	18th	35	22nd	56·6	45·3	50·8	+3·7	5	1·60	41	+27	Edinburgh ..	2·2	- 0·8	22	0	32	—	—	—	—
	a West Linton	769	61	18, 19	29	20th	54·4	43·7	48·9	+5·1	7	2·26	57	—	West Linton ..	—	—	—	2	26	—	—	—	—
	a Marchmont	498	61	17th	34	20th	55·0	43·9	49·3	+3·4	4	1·08	27	+ 6	Marchmont ..	0·8	- 1·8	7	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
	a Ford (Argyll)	149	60	17, 18	36	22nd	54·1	47·1	50·5	—	—	—	—	—	Ford (Argyll)	—	—	—	0	34	54·3	—	54·9	—
	t Renfrew	49	65	18th	34	20th	56·3	46·7	51·4	—	—	—	—	—	Renfrew ..	—	—	—	—	—	—	—	—	—
	b Rothesay	200	59	16, 18	36	22nd	55·4	45·0	50·1	+2·1	7	2·09	53	+29	Rothesay ..	0·3	—	3	0	33	52·4	—	54·0	+2·6
	a Kilmarnock	90	65	18th	37	20, 22	56·4	48·7	52·4	+5·7	6	1·46	37	+18	Kilmarnock ..	0·3	—	3	—	—	53·7	—	54·1	—
	a Colmonell	170	64	18th	36	20th	55·4	48·6	51·9	+3·9	7	1·81	46	+22	Colmonell ..	—	—	—	0	32	—	—	—	—
	p Dumfries	160	65	18th	32	20th	56·3	45·4	50·7	+3·1	4	1·48	38	+18	Dumfries ..	0·8	—	8	1	27	53·8	+4·6	55·0	+2·2
	t Eskdalemuir	794	64	18th	26	20th	53·6	44·6	49·0	—	6	2·93	74	—	Eskdalemuir ..	1·0	—	10	2	20	—	—	—	—
b, I. OF MAN *h* Douglas	284	61	18th	41	22nd	57·3	51·7	54·4	+5·4	6	1·70	43	+18	Douglas ..	0·8	- 2·2	8	0	34	—	—	—	—
2. ENGLAND, N.E.																							
	a Alnwick Castle ..	210	69	18th	37	20th	59·4	46·1	52·6	+5·4	4	3·24	82	+59	Cockle Park ..	3·4	+0·4	33	—	—	50·6	+2·9	53·0	+2·6
	t Tynemouth	118	65	18, 19	40	20th	59·1	48·0	53·4	+5·5	3	1·51	38	+20										
	p Durham	336	66	17th	36	20th	59·1	43·4	51·0	+4·0	3	1·10	28	+ 9	Durham ..	3·7	+1·0	36	2	26	—	—	—	—
a North ..	*p* Rounton	249	67	17, 18	36	20th	61·3	46·6	53·7	+6·9	4	0·94	24	+ 7	Rounton ..	—	—	—	2	26	54·1	—	—	—
	a West Witton	605	70	18th	38	20th	60·4	45·7	52·8	—	4	1·07	27	—	West Witton ..	—	—	—	1	29	52·0	—	53·1	—
	h Scarborough	118	70	17, 18	42	21st	63·4	48·9	55·9	+6·9	3	1·13	29	+10	Scarborough †	5·1	+2·2	49	—	—	—	—	57·4	—
	p York	56	70	17, 18	39	16th	62·6	45·7	53·9	+5·7	3	0·63	16	0	York ..	4·6	+2·1	44	—	—	54·9	+3·0	56·1	+2·5
	t Spurn Head	26	70	18th	46	21st	63·3	49·9	56·4	+6·5	3	0·52	13	- 2	Spurn Head ..	4·7	—	46	—	—	—	—	—	—
b, South ..	*a* Lincoln	58	74	18th	38	21st	62·9	46·0	54·2	+6·0	3	0·54	14	- 1	Lincoln ..	—	—	—	0	36	53·4	+2·7	57·1	+3·3
	t Cranwell	237	72	18th	39	18th	62·1	45·4	53·5	+5·1	5	0·58	15	0	Cranwell ..	4·9	+1·7	47	0	34	—	—	—	—
															Skegness ..	4·8	+1·4	46	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	196	74	18th	44	21st	63·4	48·1	55·5	+5·6	6	0·68	17	+ 2	Cromer ..	5·1	+1·8	49	—	—	—	—	—	—
	a Little Massingham ..	277	72	18th	42	21st	61·4	47·9	54·5	+6·6	4	0·64	16	- 1	Lit Massingham	4·3	+1·3	41	—	—	—	—	—	—
	t Yarmouth	13	67	19th	45	21, 22	61·9	49·9	55·7	+5·8	3	0·20	·5	- 12	Yarmouth ..	5·4	—	51	0	41	56·9	+4·2	58·1	+2·6
	a Norwich	93	72	18th	41	21st	61·9	45·9	53·7	+4·6	5	0·49	12	- 6	Norwich ..	4·9	—	47	0	36	51·3	—	—	—
	a Geldeston	37	74	18th	36	18th	64·3	42·9	53·3	+3·8	4	0·16	4	- 12	Geldeston ..	4·7	+1·4	45	—	—	—	—	—	—
	p Cambridge	41	75	18th	39	16th	64·4	44·6	54·2	+ 5·3	4	0·57	14	0	Cambridge ..	5·0	+1·8	48	0	32	55·4	+3·1	58·6	+3·3
	t Clacton-on-Sea ..	54	67	19th	44	17th	62·4	51·1	56·6	+ 6·2	3	0·10	3	- 8	Clacton-on-Sea	5·3	+1·9	51	0	40	56·7	+2·4	59·3	+3·3
	a Rothamsted	420	73	18th	38	17th	61·1	44·3	52·5	+ 4·3	5	0·48	12	- 6	Rothamsted	5·0	+1·8	47	0	32	53·3	—	—	—
	p Tottenham	51	69	18th	42	16th	62·9	49·3	55·9	—	3	0·32	·8	—	Tottenham ..	3·2	—	30	—	—	—	—	60·7	+4·0
															Southend ..	4·9	—	47	0	43	59·0	+3·0	—	—
4. MIDLAND COUNTIES.																							
	h Harrogate	479	70	18th	38	20, 21	61·0	45·4	53·0	+ 6·2	3	0·88	22	+ 3	Harrogate ..	4·0	+1·1	39	2	29	53·2	+3·3	54·2	+2·9
a North ..	*p* Sheffield	429	70	18th	40	21st	62·7	47·9	55·1	—	3	0·57	15	—	Sheffield ..	5·1	+2·4	49	0	31	53·4	+2·9	55·2	+2·6
	p Buxton	987	67	18th	39	21st	60·4	46·1	53·0	+ 7·7	3	1·37	35	+ 7	Buxton ..	4·9	—	47	1	30	52·9	+3·9	55·6	+3·7
	a Worksop	56	72	18th	37	21st	64·0	44·7	54·1	+ 6·1	4	0·66	17	+ 2	Worksop ..	4·9	+2·3	47	2	28	53·6	--	55·3	—
	t Nottingham	82	73	18th	40	16th	62·7	45·6	53·9	+ 5·8	3	0·81	21	+ 7	Nottingham ..	4·5	+1·8	43	0	34	54·5	+4·3	56·7	+2·9
b, East ..	*p* Birmingham, Edgbsn.	525	72	18th	42	21st	62·1	46·6	54·1	+ 5·9	4	0·66	17	+ 1	Birmingham	5·1	+2·9	49	0	36	52·8	+2·9	54·7	+2·7
	a Raunds	213	76	18th	38	16th	64·6	42·6	53·3	+ 4·9	5	0·72	18	+ 4	Raunds ..	5·4	—	51	0	33	55·4	—	—	—
	p Oxford	208	75	18th	40	16, 17	65·1	45·9	55·2	+ 6·2	5	0·75	19	+ 3	Oxford ..	5·2	+2·0	50	0	31	—	—	—	—
															Malvern	5·3	—	50	0	38	55·8	—	58·3	—
	a Cheadle (N. Staffs.) ..	646	68	18th	35	21st	59·9	43·9	51·7	+ 4·8	4	0·73	19	+ 1	Cheadle	—	—	—	1	30	—	—	—	—
c, West ..	*p* Tenbury	313	71	18th	31	21st	62·9	41·4	51·8	+ 4·0	4	1·03	26	+11	Tenbury ..	—	—	—	1	29	54·4	—	—	—
	a Hereford	291	71	18th	33	21st	62·6	40·6	51·3	+ 3·1	3	0·60	15	- 2	Ross on Wye	4·8	—	46	0	33	54·1	—	57·8	—
	a Clifton	225	70	18, 20	42	16th	64·9	47·7	56·1	+ 6·2	5	0·77	20	- 1	Clifton ..	5·6	—	53	0	44	—	—	—	—
5. ENGLAND, S.E.																							
	a Marlborough	424	73	18th	35	16, 17	63·1	44·0	53·3	+ 5·7	4	0·93	24	+ 5	Worthing ..	5·6	+1·8	53	0	35	55·1	+1·2	58·2	+1·7
	a Porton	340	73	18th	31	16th	64·5	45·9	54·9	—	4	0·56	14	—	Marlborough	4·8	+1·9	46	0	31	55·5	—	57·0	—
	a Wisley, Surrey ..	150	75	18th	33	17th	66·9	45·0	55·6	+ 6·7	4	0·41	10	- 7	Porton	—	—	—	2	28	55·2	—	—	—
	h Tunbridge Wells ..	354	73	18th	36	17th	65·7	46·7	55·9	+ 6·2	4	0·91	23	+ 3	Wisley, Surrey	5·7	+2·5	54	2	25	54·1	+1·8	57·0	+2·1
	h Margate	51	73	18th	47	17th	65·1	53·0	58·9	+ 7·4	2	0·68	17	+ 1	Tunbridge Wells	5·0	+1·5	47	2	26	56·2	+2·4	58·2	—
															Margate ..	4·8	+1·5	46	0	41	59·0	+6·1	61·9	+6·6
	t Dungeness	21	68	18th	38	17th	64·7	51·9	58·1	+ 6·7	2	0·28	7	- 12	Folkestone ..	5·8	—	55	0	32	—	—	60·2	—
	h St. Leonards	178	67	18th	47	22nd	64·1	53·3	58·5	+ 7·0	6	0·27	7	- 13	St. Leonards ..	5·8	+2·0	54	0	37	57·3	—	59·6	—
	p Southampton	64	74	18th	39	17th	66·4	48·4	57·1	+ 5·9	3	0·60	15	- 6	Southampton	5·9	+2·5	56	1	30	—	—	—	—
	a Ventnor	59	71	18th	49	17th	65·9	54·6	60·1	+ 7·1	4	0·41	11	- 10	Ventnor ..	5·8	+2·2	55	—	—	—	—	—	—
LONDON	*t* Richmond (Kew Obs.)	18	75	18th	38	17th	64·8	44·7	54·5	+ 4·9	4	0·34	9	- 5	Richmond	4·9	+2·0	46	0	31	54·3	+2·1	57·4	+2·7
	a Westminster	27	76	18th	40	17th	66·4	47·3	56·6	+ 5·7	5	0·49	13	0	Westminster	4·4	+2·2	42	0	33	—	—	—	—
	ag Greenwich	149	76	18th	37	17th	67·3	46·7	56·7	+ 6·8	3	0·36	9	- 5	Greenwich ..	4·9	+1·9	47	1	27	—	—	—	—
	a Hampstead	450									—	—	—	—	Hampstead ..	—	—	—	—	—	—	—	—	—
	ag Camden Square ..	110	75	18th	40	17th	65·3	46·4	55·6	+ 5·3	4	0·35	9	- 5	Camden Square	—	—	—	0	36	53·8	—	57·4	—
7. *a*, ENGLAND, N.W.																							
	p Aspatria (Mealsgate) ..	487	67	18th	36	22nd	57·3	46·0	51·5	+4·2	4	2·46	63	+39	Aspatria	1·0	- 2·1	10	0	34	53·3	+4·2	54·3	+2·5
	p Newton Rigg	559	65	18th	32	20th	59·4	42·1	50·5	+4·1	5	1·64	42	+20	Newton Rigg	1·6	- 1·1	15	3	28	—	—	—	—
	p Stonyhurst	375	67	18th	39	21st	60·0	46·3	53·0	+5·5	5	2·20	56	+30	Stonyhurst ..	2·6	0·0	25	1	29	—	—	—	—
	h Blackpool	66	68	17th	42	20th	62·0	48·9	55·3	+6·4	4	0·83	21	0	Blackpool ..	2·9	- 0·1	28	0	32	55·6	—	55·5	—
	h Southport	37	69	17th	43	20th	62·2	48·5	55·2	+6·3	5	1·41	36	+16	Southport ..	3·9	+1·0	37	0	33	54·2	+4·2	56·7	+3·2
															Hoylake ..	4·8	+2·0	46	—	—	—	—	—	—
	t Liverpool (Bidston) ..	188	66	17, 19	44	21st	61·4	48·0	54·5	+5·3	3	1·02	26	+ 7	Liverpool	4·2	—	40	0	34	—	—	—	—
	a Hawarden Bridge ..	22	70	18th	39	21st	64·1	48·0	55·8	+6·1	3	0·60	15	- 2	Manchester City	2·9	+0·9	28	0	36	55·5	+4·4	58·6	+3·6
	p Manchester (Whit. Pk.)	125	72	18th	39	21st	63·4	47·3	55·1	+5·6	4	0·83	21	+ 2	„ Whit. Pk.	3·7	+1·8	36	—	—	—	—	—	—
b. NORTH WALES.																							
	h Llandudno	22	69	17th	39	21st	62·7	49·0	55·7	+5·0	3	0·98	25	+ 5	Llandudno ..	3·2	0·0	31	—	—	—	—	—	—
	t Holyhead	15	63	18th	44	20th	60·3	52·6	56·3	+5·5	4	0·84	21	- 2	Holyhead ..	2·9	—	19	0	33	—	—	—	—
	a Aberdovey	60	70	18th	43	21st	63·9	52·4	58·0	—	3	0·84	21	—	Aberdovey ..	3·5	+0·3	33	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Lowest Reading	Earth 1 ft. Mean	Deviation from average	Earth 4 ft. Mean	Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	69	17, 18	39	21st	63·4	51·3	57·2	—	3	0·85	22	—	Aberystwyth	Hr. 3·4	Hr. − 0·1	% 32	—	—	—	—	—	—
a Rhayader	757	70	18th	29	21st	62·0	41·0	51·2	—	5	0·66	17	—	Rhayader ..	3·5	—	33	3	19	—	—	—	—
t Pembroke	149	62	18th	47	21st	59·7	54·4	57·0	+5·4	4	0·55	14	− 9	Pembroke ..	1·7	− 1·7	16	—	—	—	—	—	—
p Cardiff	202	69	18th	41	21st	62·3	47·7	54·8	+5·3	4	0·84	21	− 5	Cardiff ..	4·8	—	46	0	35	56·5	+4·1	58·1	+3·2
b, ENGLAND, S.W.																							
h Bath	66	73	18th	39	16th	64·9	46·7	55·5	+5·9	4	0·63	16	− 2	Bath	5·0	+1·7	48	—	—	56·7	+1·4	59·0	+1·8
a Shaftesbury	722	69	18th	45	21st	62·3	50·0	56·0	+7·1	4	1·09	28	+ 6	Shaftesbury ..	—	—	—	—	—	58·5	—	59·6	—
a Arlington	613	68	18th	40	21st	61·7	48·1	54·7	+5·6	4	0·68	17	− 19										
h Newquay	190	66	18, 19	48	21st	62·7	52·9	57·7	+5·4	4	0·26	7	− 15	Newquay ..	4·9	+1·2	46	—	—	58·5	—	58·6	—
a Cullompton	202	71	18th	38	21st	65·6	47·0	56·0	+6·5	4	0·35	9	− 14	Cullompton ..	4·8	+1·8	45	1	30	56·7	—	—	—
t Portland Bill	19	66	16th	53	16th	63·9	56·3	60·0	+7·4	3	0·39	10	− 11	Weymouth ..	5·7	—	53	—	—	—	—	—	—
p Plymouth	116	68	16th	45	16th	64·4	51·1	57·6	+6·1	5	0·28	7	− 15	Plymouth ..	4·2	+0·6	39	0	39	57·3	+3·3	58·7	—
t Falmouth	167	66	17, 18	47	21st	63·6	53·9	58·6	+6·8	5	0·41	11	− 17	Falmouth ..	4·6	+0·9	44	0	41	59·2	—	61·0	—
9. IRELAND, N.																							
t Malin Head	208	63	18th	42	22nd	55·3	50·0	52·6	+2·9	7	1·44	37	+21	Malin Head ..	0·6	—	6	—	—	—	—	—	—
t Blacksod Point ..	10	63	18th	44	20th	58·6	53·0	55·7	+5·1	7	3·69	94	+68										
a, West .. *a* Mallarany	120	62	17, 18	42	20th	57·7	50·4	53·7	—	7	4·03	102	—	Mallarany ..	1·1	—	11	0	32	—	—	—	—
p Markree Castle.. ..	122	64	16, 18	30	20th	58·6	45·1	51·7	+3·7	7	1·81	46	+24	Markree Castle	1·0	− 2·0	10	1	26	55·6	+3·2	56·1	+2·0
p Armagh..	204	64	16th	35	22nd	57·4	45·9	51·5	+3·3	6	1·51	38	+24	Armagh ..	0·2	− 2·8	2	0	35	54·9	+3·2	55·5	+1·9
b, East .. *t* Donaghadee	35	64	16th	38	20th	57·0	49·7	53·2	+3·6	6	1·64	42	+27										
														Trinity Coll.	—	—	—	1	29	55·5	+3·2	56·7	+2·7
10. IRELAND, S.														Phœnix Park	1·3	− 2·0	12	2	28	—	—	—	—
p Dublin City	54	66	16, 18	39	20th	59·9	48·0	53·8	+3·8	6	0·93	24	+ 8	Dublin City ..	—	—	—	0	34	—	—	—	—
t Birr Castle	175	64	18th	32	20th	58·0	48·9	53·3	+5·5	6	1·18	30	+13	Birr Castle ..	1·5	− 1·6	14	1	26	—	—	—	—
a Kilkenny	195	64	16th	31	20th	59·1	46·1	52·4	+3·8	4	0·66	17	− 1										
a Waterford	137	65	17th	37	20, 21	60·1	47·3	53·5	+3·3	6	0·72	18	− 5										
p Seskin, Carrick-on-Suir	542	61	16, 18	38	20, 21	58·4	46·0	52·0	—	5	0·50	13	—	Seskin ..	2·0	—	19	1	29	—	—	—	—
a Foynes	50	66	17th	38	20th	59·4	51·1	55·1	+5·1	6	1·06	27	+ 5										
t Cahirciveen (Val. Obs.)	30	63	16, 17, 18	37	20th	59·7	52·9	56·2	+4·6	6	2·07	53	+20	Cahirciveen ..	2·0	− 1·2	19	0	34	—	—	—	—
a Killarney	174	65	16th	35	20th	60·5	51·1	55·7	+5·4	6	1·75	44	+13	Ballinacurra	1·8	− 1·3	18	—	—	—	—	—	—
t Roche's Point	32	63	18th	42	20th	59·9	52·4	56·0	+4·6	7	0·76	19	− 5										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	64	18, 19	50	21st	62·4	55·1	58·6	+5·0	5	0·42	11	− 9	Scilly ..	4·5	+0·6	43	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	71	17, 18, 19	44	17th	68·0	53·6	60·6	+6·8	4	0·35	9	− 16	St. Heliers ..	6·5	+2·3	61	—	—	—	—	—	—
p Guernsey	173	71	18th	46	17th	64·7	56·4	60·4	+6·5	2	0·23	6	− 20	Guernsey ..	7·0	+2·7	66	0	36	59·7	+3·7	61·3	+3·1

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 22nd, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0 SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	15, 16, 19 to 21	26	104	32	6	0	250	13	15	17	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	129	38	0	220	6	16	12	14	16	11	55
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	17	141	10	0	220	8	16	12	—	—	—	—
Edinburgh	485	39	31	—	0	17, 18, 21	8	75	67	18	0	230	14	21	2	22	21	1	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	18, 21, 22	12	79	44	33	0	240	15	21	4	21	21	2	20
Paisley	188	81	15	—	0	—	0	55	96	14	3	200	9	18	20	20	21	2	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	15	63	90	0	360	10	22	18	18	22	17	40
South Shields	72	61	12	—	0	22	2	35	112	19	0	30	12	22	18	25	22	18	30
Spurn Head	66	40	‡	22	2	22	7	36	113	10	0	320	19	22	22	25	22	21	40
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	22	3	25	118	19	3	300	12	22	23	20	22	22	55
Shoeburyness	103	90	‡	—	0	22	2	29	105	32	0	{230 / 290}	11	22	{17 / 23}	19	22	23	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	29	61	78	0	320	9	22	23	17	22	20	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	22	3	19	106	40	0	—	12	22	19	21	22	19	45
Larkhill, S'y Plain ..	513	63	43	—	0	22	6	37	123	2	0	310	13	22	21	17	22	17	45
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	16	55	97	0	220	9	22	17	16	22	16	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	21, 22	15	50	102	1	0	360	16	22	19	—	—	—	—
Southport	80	62	48	—	0	21, 22	11	55	96	6	0	300	14	22	17	19	22	17	35
Holyhead	60	40	‡	—	0	22	11	115	34	7	1	300	16	22	17	22	22	16	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	22	2	18, 19, 22	22	65	54	25	0	240	18	22	16	23	22	15	0
Plymouth	185	88	2	—	0	22	3	37	84	44	0	—	12	22	16	19	22	15	50
Lyme Regis	556	61	‡	—	0	—	0	13	93	62	0	—	9	22	16	14	22	15	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	22	5	66	85	12	0	280	12	22	21	—	—	—	—
Quilty	100	40	‡	—	0	—	0	98	67	3	0	—	11	18	2	16	22	12	20
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	17, 22	5	84	69	10	0	350	11	22	13	17	22	6	25
Weaver Pt.	160	30	‡	—	0	18, 22	6	77	80	5	0	—	13	22	16	21	22	16	0
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	22	12	25	77	54	0	250	16	22	16	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.

* Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SECOND WEEK of 1921—October 16th to October 22nd, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	66	30	85·1	78·9	81·9	+0·9	43	+ 4	0	− 7	6	+ 1	2·00	51	+26	1·1	− 1·3	11	1012
Eastern.																			
1. SCOTLAND, EAST ..	67	29	85·9	79·6	82·7	+1·7	52	+11	0	− 8	6	+ 2	1·11	28	+ 9	1·8	− 0·8	18	1014
2. ENGLAND, N.E. ..	74	36	89·4	81·2	85·1	+3·0	83	+35	0	− 3	3	− 1	1·13	29	+11	4·4	+1·5	42	1018
3. ENGLAND, EAST ..	75	36	90·0	81·4	85·6	+2·9	89	+32	0	− 4	4	0	0·40	10	− 5	4·8	+1·6	45	1020
4. MIDLAND COUNTIES	76	31	90·2	79·9	84·9	+3·0	81	+31	0	− 6	4	0	0·76	19	+ 2	4·9	+2·0	47	1020
5. ENGLAND, S.E. ..	75	31	91·4	82·3	86·7	+3·3	103	+39	0	− 3	4	0	0·54	14	− 5	5·4	+1·0	51	1021
Western.																			
6. SCOTLAND, WEST ..	65	32	86·3	81·7	83·9	+2·1	67	+19	0	− 5	6	+ 2	1·71	43	+18	—	—	—	1016
7. ENGLAND, N.W. ..	72	32	89·2	81·7	85·3	+2·8	85	+33	0	− 2	4	0	1·30	33	+11	2·9	+0·2	28	1018
8. ENGLAND, S.W. ..	73	29	90·2	82·8	86·4	+3·1	99	+37	0	− 2	4	0	0·59	15	− 10	4·0	+0·7	38	1020
9. IRELAND NORTH ..	64	30	87·2	82.3	84·7	+2·3	77	+25	0	− 3	7	+ 3	1·88	48	+28	0·6	− 2·4	6	1015
10. IRELAND, SOUTH ..	66	31	88·3	82·8	85·5	+2·5	88	+28	0	− 3	6	+ 2	1·14	29	+ 6	1·7	− 1·6	16	1018
11. ENGLISH CHANNEL..	71	44	91·3	85·8	88·5	+3·3	125	+43	0	0	4	− 1	0·33	8	− 15	6·0	+1·9	57	1020
MEAN: DISTRICTS 1-10	76	29	88·8	81·6	85·1	+2·7	82	+29	0	− 4	5	+ 1	1·06	27	+ 7	3·4	+0·2	32	1018

THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, August 28th to October 22nd, 1921.

0. SCOTLAND, NORTH ..	74	30	87·0	80·8	83·8	+ 0·6	524	+ 37	0	−16	38	0	8·59	218	+14	2·4	− 0·7	20	1013
Eastern																			
1. SCOTLAND, EAST ..	81	29	88·3	80·7	84·4	+ 1·0	584	+ 63	0	−20	30	− 1	4·65	119	− 9	3·9	+ 0·2	32	1015
2. ENGLAND, N.E. ..	80	36	91·0	82·7	86·7	+ 2·1	819	+198	0	− 6	17	−11	3·52	91	− 14	5·1	+ 1·0	42	1018
3. ENGLAND, EAST ..	85	34	92·8	83·4	87·9	+ 2·4	940	+234	0	− 8	17	−10	2·57	66	− 36	5·7	+ 1·0	47	1020
4. MIDLAND COUNTIES	84	31	92·3	82·0	87·0	+ 2·2	846	+201	0	−16	18	− 9	3·56	91	− 19	5·3	+ 1·3	44	1019
5. ENGLAND, S.E. ..	85	30	93·5	83·6	88·3	+ 2·3	984	+224	0	− 7	14	−13	1·77	46	− 75	6·2	+ 1·4	51	1020
Western.																			
6. SCOTLAND, WEST ..	76	32	89·0	82·1	85·4	+ 1·3	691	+117	0	−10	33	+ 3	7·53	192	− 1	—	—	—	1017
7. ENGLAND, N.W. ..	81	32	90·7	83·3	86·8	+ 1·9	828	+183	0	− 4	22	− 8	5·21	132	− 19	4·9	+ 1·0	41	1018
8. ENGLAND, S.W. ..	82	29	92·1	84·0	87·8	+ 2·2	938	+222	0	− 4	17	−13	3·37	86	− 78	5·1	+ 0·7	42	1019
9. IRELAND, NORTH ..	73	30	89·3	82·7	85·9	+ 1·4	736	+135	0	− 5	33	− 2	6·15	157	+ 4	3·1	− 0·4	26	1016
10. IRELAND, SOUTH ..	75	31	90·3	83·6	86·8	+ 1·6	833	+157	0	− 5	33	+2	5·09	129	− 22	3·9	− 0·1	32	1018
11. ENGLISH CHANNEL..	80	44	93·0	86·5	89·6	+ 2·3	1112	+230	0	0	19	−12	1·86	48	− 91	6·6	+ 1·1	55	1019
MEAN: DISTRICTS 1-10..	85	29	90 9	82·8	86·7	+ 1·8	820	+173	0	− 9	23	6	4·34	111	− 27	4·8	+ 0·7	40	1018

THE YEAR. Aggregates, &c., for the Period of 42 Weeks, January 2nd to October 22nd, 1921.

0. SCOTLAND, NORTH ..	81	16	85·2	78·7	81·8	+ 0·6	2110	+160	348	−207	186	− 8	40·71	1036	+72	3·4	− 0·1	26	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·3	78·4	82·1	+ 0·7	2354	+182	451	−186	153	−11	21·46	544	− 64	4·5	+ 0·4	34	1014
2. ENGLAND, N.E. ..	92	22	88·0	80·0	83·9	+ 1·6	3102	+608	250	−228	119	−29	14·17	365	−127	4·9	+ 0·4	37	1017
3. ENGLAND, EAST ..	91	23	89·3	80·5	84·7	+ 1·7	3555	+691	227	−275	95	−48	10·00	256	−211	5·7	+ 0·8	43	1018
4. MIDLAND COUNTIES	93	23	89·3	79·9	84·4	+ 1·7	3389	+616	253	−285	111	−31	14·21	363	−159	5·1	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	89·7	81·1	85·1	+ 1·5	3689	+641	170	−216	98	−41	9·86	253	−260	5·8	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·8	79·7	83·1	+ 0·9	2754	+369	240	−186	174	+ 3	37·81	960	+68	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·7	80·7	84·1	+ 1·4	3116	+513	161	−225	139	−17	23·17	590	− 88	5·0	+ 0·6	38	1017
8. ENGLAND, S.W. ..	89	22	88·8	81·2	84·8	+ 1·4	3492	+619	131	−174	120	−35	17·50	446	−280	5·5	+ 0·6	42	1019
9. IRELAND, NORTH ..	86	23	87·3	80·4	83·7	+ 1·1	2921	+443	148	−197	172	−17	26·17	663	− 78	3·9	0·0	30	1016
10. IRELAND, SOUTH ..	90	23	88·4	81·1	84·6	+ 1·2	3355	+506	117	−148	164	− 3	25·64	654	−114	4·5	+ 0·1	34	1018
11. ENGLISH CHANNEL..	87	32	89·1	83·2	86·3	+ 1·6	3995	+654	27	− 78	120	−40	12·50	318	−276	6·3	+ 0·5	49	1019
MEAN · DISTRICTS 1-10 ..	93	8	88·2	80·3	84·1	+ 1·3	3173	+519	215	−212	135	−23	20·00	509	−131	5·0	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
28th October, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 43.

FORTY-THIRD WEEK.

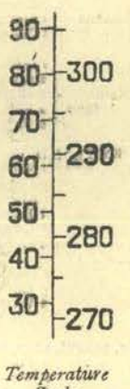
SUNDAY, OCTOBER 23RD, TO SATURDAY, OCTOBER 29TH, 1921.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week England and Scotland were bathed in the polar current in rear of the depression which had passed across to Denmark. There was a good deal of rain on Sunday and snow or sleet occurred in Scotland and also in some parts of England. After Sunday the conditions became anticyclonic and fine dry weather prevailed in nearly all parts of England. On Friday the centre of the anticyclone was situated to the south-west of Ireland and pressure recorded at Valencia Observatory was no less than 1037·5 mb. (30·64 inches). Mean temperature was above normal in all districts except England S.E., the greatest excess being 2·1a in Ireland N. The highest maxima, about 291a, were registered at Scarborough on the 25th and at Rounton (North Riding), and Guernsey on the 26th. At a number of stations screen minima of 269a were recorded and at Renfrew and Rhayader (Radnor) on the morning of the 24th the minimum thermometer registered readings as low as 268a, while at the same stations temperature on the grass descended as low as 262a on the same date. The mean daily range of temperature in a few instances were as much as 11a. The largest measurements of rainfall on the first day of the period were 31mm. at Marchmont (Berwick), 29mm. at Ventnor and 18mm. at Arlington (Devon). The total rainfall for the week was below the normal in all districts and at a number of stations the week was rainless. The largest amounts of bright sunshine were recorded on the 24th when more than 9 hours were registered in many parts of England; the largest amounts were 9·8 hours at Clifton and 9·4 hours at Torquay. The daily mean for the week varied a good deal but was above the normal at most stations. The departure from the normal ranged from +3·5 hours at York to −1·9 hours at Stornoway. There was much fog at night inland.

Aurora was witnessed at Aberdeen on the 28th. Solar halos were observed at Oxford on the 25th, 27th and 28th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	5	3·6	18	2·2	0	0·0	2	1·1	5	1·7	1	0·7	13	1·7	7	2·1
North	17	4·1	3	2·2	25	3·3	13	2·8	20	3·6	24	4·1	5	2·7	12	3·6
West	22	7·2	27	6·1	22	3·8	13	2·7	22	5·8	6	4·8	26	6·4	7	4·2
East	3	2·8	1	0·8	1	1·8	0	0·0	2	5·3	11	1·7	1	8·0	13	1·2
Calm	2	—	0	—	2	—	13	—	3	—	3	—	1	—	8	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual
	Rainfall ..	Moderate	Light	Very Light	Very Light	Light	Light	Light	Very Light	Light	Very Light	Very Light	Very Light
	Sunshine ..	Scanty	Abundant	Abundant	Moderate	Abundant	Abundant	—	Abundant	Abundant	Moderate	Moderate	Moderate

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 9 weeks from August 28th, 1921.	Warmth ..	5, 2, 2	6, 1, 2	7, 2, 0	5, 4, 0	5, 4, 0	5, 4, 0	7, 0, 2	7, 1, 1	6, 3, 0	7, 0, 2	6, 1, 2	8, 1, 0
	Rainfall ..	2, 5, 2	3, 1, 5	3, 1, 5	1, 2, 6	1, 3, 5	1, 1, 7	2, 3, 4	2, 2, 5	1, 0, 8	1, 5, 3	1, 4, 4	0, 1, 8
	Sunshine ..	2, 1, 6	4, 3, 2	5, 3, 1	4, 4, 1	5, 4, 0	6, 1, 2	—	5, 3, 1	5, 1, 3	2, 4, 3	3, 2, 4	4, 4, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	53	27th	35	24th	49·4	41·9	45·5	+1·2	5	0·93	24	+ 2										
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	—
a, Islands t Stornoway	51	56	25, 26	29	23rd	52·7	45·6	49·1	+4·4	6	0·76	19	- 10	Stornoway	1·0	- 1·9	11	—	—	—	—	—	—
t Castlebay, Barra I.	37	55	252629	40	23rd	53·3	47·4	50·3	—	6	0·38	10	—	Castlebay	1·4	—	15	—	—	—	—	—	—
t Wick	81	58	26th	34	24th	51·7	42·9	47·2	+2·8	6	0·60	15	- 1										
a Strathpeffer	125	58	28th	29	23rd	55·0	41·1	47·8	+3·9	4	0·30	8	- 6										
b, Main- p Glencarron	500	56	29th	28	23, 24	52·6	41·0	46·6	+3·2	6	2·26	57	+11										
land. a Fort Augustus	68	59	29th	25	24th	55·3	39·9	47·4	+3·1	5	0·39	10	- 12										
p Fort William	171	56	25, 29	25	24th	52·6	43·6	48·0	+2·8	6	1·34	34	- 5										
1. SCOTLAND, E.																							
t Nairn	82	59	26th	30	24th	53·0	40·4	46·5	+2·9	5	0·25	6	- 7	Nairn	2·3	—	25	—	—	—	—	—	—
p Gordon Castle	101	60	26th	34	24th	54·7	43·9	49·1	+4·4	5	0·26	7	- 10	Gordon Castle	2·7	—	28	—	—	—	—	—	—
t Aberdeen	46	61	25th	35	23rd	55·0	44·3	49·5	+4·7	2	0·12	3	- 13	Aberdeen	2·8	- 0·1	29	0	31	—	—	51·0	+1·5
a Balmoral	930	58	29th	26	24th	51·4	38·0	44·5	+3·5	3	0·13	3	- 17	Balmoral	—	—	—	2	22	—	—	—	—
p Crieff	432	61	25th	30	24th	55·0	41·4	48·0	+3·7	1	0·06	2	- 20	Crathes	2·8	0·0	29	2	26	46·4	—	49·4	—
a Dundee	244	62	25th	29	24th	57·0	39.1	47 8	+3·6	2	0·03	1	- 13	Dundee	3·1	—	33	3	21	46·6	—	—	—
t Inchkeith (F. of Forth)	190	58	25th	37	24th	52·7	46·0	49·3	—	0	0·00	0	—	Inchkeith (F. of Forth)	—	—	—	0	33	—	—	—	—
p Edinburgh	441	59	25, 26	32	24th	53·4	43·4	48·3	+3·4	1	0·01	0·2	- 14	Edinburgh	4·4	+1·4	45	2	29	—	—	—	—
a West Linton	760	58	24th	22	24th	53·3	37·0	44·9	+3·5	2	0·10	3	—	West Linton	—	—	—	2	17	—	—	—	—
a Marchmont	498	62	26th	33	23, 24	55·6	41·1	48·1	+4·4	2	1·24	31	+11	Marchmont	3·5	+1·0	36	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	56	25th	27	24th	52·7	44·2	48·3	—	5	1·16	30	—	Ford (Argyll)	—	—	—	2	22	50·5	—	54·0	—
t Renfrew	49	61	25th	22	24th	54·7	41·3	47·8	—	1	0·04	1	—	Renfrew	—	—	—	2	14	—	—	—	—
p Rothesay	200	58	25th	33	24th	53·7	44·7	49·1	+3·4	5	0·28	7	- 18	Rothesay	2·0	—	21	2	26	48·1	—	52·3	+1·8
a Kilmarnock	90	61	25th	24	24th	55·7	40·7	48·0	+3·8	4	0·15	4	- 15	Kilmarnock	1·5	—	15	—	—	48·7	—	53·1	—
a Colmonell	170	59	25th	25	24th	56·0	41·6	48·6	+3·0	1	0·09	2	- 23	Colmonell	—	—	—	1	22	—	—	—	—
p Dumfries	160	60	25th	27	24th	54·6	42·9	48·6	+3·5	0	0·00	0·1	- 20	Dumfries	2·8	—	28	2	20	48·9	+1·4	53·0	+1·4
t Eskdalemuir	794	57	25th	24	24th	51·7	38·6	45·0	—	2	0·03	1	—	Eskdalemuir	3·7	—	38	2	18	—	—	—	—
b, I. OF MAN h Douglas	284	60	26th	40	23rd	54·9	48·6	51·7	+5·0	1	0·07	2	- 23	Douglas	4·3	+1·2	44	1	28	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	64	26th	35	23, 24	58·6	43·6	50·9	+5·6	2	0·05	1	- 22	Cockle Park	5·2	+2·5	53	—	—	46·7	+1·0	50·8	+1·6
t Tynemouth	118	60	25, 26	36	23rd	55·1	45·4	50·1	+4·1	2	0·05	1	- 16										
p Durham	336	63	25, 26	31	24th	55·9	41·7	49·1	+4·1	1	0·02	0 4	- 18	Durham	4·8	+2·4	49	2	25	—	—	—	—
a North p Rounton	249	65	26th	33	24th	57·4	39·9	48·4	+3·5	1	0·01	0 3	- 17	Rounton	—	—	—	2	24	50·0	—	—	—
a West Witton	605	58	252628	33	23, 24	55·1	42·3	48·5	—	0	0·00	0	—	West Witton	—	—	—	3	26	47·4	—	52·1	—
h Scarborough	118	65	25th	37	24th	58·3	45·0	51·5	+4·4	3	0·23	6	- 13	Scarborough †	3·9	+1·3	39	—	—	—	—	55·0	—
p York	56	62	25th	35	24th	56·9	42·7	49·6	+3·4	0	0·00	0	- 16	York	5·7	+3·5	57	—	—	51 8	+1·7	55·0	+2·3
t Spurn Head	26	58	25, 29	38	24th	53·9	45·1	49·4	+1·6	2	0·06	2	- 12	Spurn Head	3·8	—	38	—	—	—	—	—	—
b, South a Lincoln	58	61	25, 27	33	24th	56·4	40·4	48·2	+2·1	0	0·00	0	- 15	Lincoln	—	—	—	1	30	49·0	+0·3	55·4	+2·4
t Cranwell	237	60	27th	34	23, 24	54·4	40·6	47.3	+1·1	0	0·00	0	- 15	Cranwell	4·1	+1·3	41	2	28	—	—	—	—
														Skegness	3·3	+0·2	33	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	59	26, 27	37	23rd	55·6	43·9	49·6	+1·9	4	0·11	3	- 13	Cromer	3·0	+0·1	30	—	—	—	—	—	—
a Little Massingham	277	59	26th	37	25th	53·7	42·1	47·7	+2·1	4	0·12	3	- 16	Lit Massingham	2·6	0·0	26	—	—	—	—	—	—
t Yarmouth	13	59	26, 29	38	25th	55·6	42·7	49·0	+1·4	2	0·24	6	- 12	Yarmouth	2·6	—	26	0	37	52·7	+2·3	55 7	+1·4
a Norwich	93	61	26th	38	25th	55·3	41·9	48·4	+1·7	3	0·14	4	- 15	Norwich	2·8	—	28	0	32	47·3	—	—	—
a Geldeston	37	61	26th	34	25th	57·0	39 0	47·7	+0·4	3	0·08	2	- 15	Geldeston	2·7	- 0·2	27	—	—	—	—	—	—
p Cambridge	41	60	29th	32	25th	56·6	38·7	47·4	+ 0·8	0	0·00	0	- 14	Cambridge	3·3	+0·4	33	2	27	51·1	+0·7	56·9	+2·6
t Clacton-on-Sea	54	60	27, 29	35	25th	55·4	42·1	48·6	+ 0·6	1	0·04	1	- 11	Clacton-on-Sea	3·9	+0·8	39	0	31	51·7	- 0·8	57·5	+2·4
a Rothamsted	420	59	29th	33	24, 25	53·9	40·0	46·7	+ 0·7	0	0·00	0·1	- 19	Rothamsted	3·2	+0 4	32	2	24	49·3	—	—	—
p Tottenham	51	61	29th	36	24, 25	57·0	41·3	48·9	—	0	0·00	0	—	Tottenham	3·3	—	33	—	—	—	—	59·0	+3·3
														Southend	3·6	—	36	0	33	52·5	- 0·7	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	59	26th	33	23rd	55 4	41·9	48·5	+ 3·7	0	0·00	0	- 19	Harrogate	5·0	+2·5	51	2	28	49·6	+1·3	52·5	+2·3
a North p Sheffield	429	59	25th	36	23, 24	54·4	44·4	49·3	—	0	0·00	0	—	Sheffield	3·9	+1·6	39	2	29	50·0	+1·3	53·7	+1·9
p Buxton	987	55	252729	32	24th	52·3	41·6	46·8	+ 3·5	1	0·01	0·3	- 29	Buxton	2·6	—	27	3	26	48·1	+1 0	54·3	+3·2
a Worksop	56	64	25th	33	24th	57·9	39·9	48·6	+ 2·6	0	0·00	0	- 15	Worksop	3·1	+1·9	32	3	23	49·6	—	53·6	—
t Nottingham	82	60	25th	36	23, 24	55·7	41·9	48·6	+ 2·5	0	0·00	0	- 14	Nottingham	2·8	+0·7	28	3	28	49·1	+1·1	54·1	+1·6
b, East p Birmingham, Edgbsn.	525	60	29th	33	24th	54·7	42·4	48·4	+ 2·2	1	0·12	3	- 13	Birmingham	2·3	+0·4	23	2	27	48·4	+0·2	53·7	+2·3
a Raunds	213	60	262729	31	25th	55·9	38·6	47·0	+ 0·9	0	0·00	0	- 15	Raunds	3·4	—	34	2	27	51·2	—	—	—
p Oxford	208	61	29th	33	25th	56·1	40·6	48·1	+ 1·1	1	0·33	8	- 8	Oxford	3·6	+0·9	36	2	25	—	—	—	—
														Malvern	3·5	—	35	1	29	51·1	—	56·3	—
a Cheadle (N. Staffs.)	646	58	27th	30	24th	53·0	41·1	46·9	+ 2·0	0	0·00	0	- 19	Cheadle	—	—	—	3	22	—	—	—	—
c, West p Tenbury	313	64	27th	28	24th	56·1	36·3	45·9	0·0	1	0·37	9	- 6	Tenbury	—	—	—	4	22	49·7	—	—	—
a Hereford	291	61	27th	28	24th	54·6	38·6	46·4	+ 0·2	1	0·20	5	- 12	Ross on Wye	3·4	—	34	2	23	48·3	—	55·8	—
a Clifton	225	58	29th	32	24th	54·1	40 1	46·9	- 1·0	1	0·31	8	- 14	Clifton	4·3	—	43	1	29	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	60	26th	27	25th	55·3	35·9	45·3	- 0·2	3	0·19	5	- 17	Worthing	4·8	+1·2	47	1	29	51·0	- 1·2	56·8	+1·2
a Porton	340	60	26th	26	25th	55·8	37·4	46·3	—	1	0·22	6	—	Marlborough	3·1	+0·5	31	4	27	51·4	—	56·0	—
a Wisley, Surrey	150	61	27th	31	25th	55·1	37·6	46·1	- 0·7	1	0·31	8	- 11	Porton	—	—	—	4	20	49·8	—	—	—
h Tunbridge Wells	354	62	27th	31	25th	56·0	39·6	47·6	+ 0·1	1	0·18	5	- 19	Wisley, Surrey	3·6	+0·8	36	5	20	49·9	- 0·4	55·6	+1·8
h Margate	51	58	27th	42	25th	54·3	48·0	51·1	+ 1·8	0	0·00	0	- 18	Tunbridge Wells	2·9	- 0·3	28	3	23	52·6	+1·3	56·9	—
														Margate	2·4	- 0·5	24	0	38	54·2	+3·3	59·9	+5·6
t Dungeness	21	62	27th	34	25th	56·6	41·2	48·7	- 0·6	1	0·01	0·2	- 21	Folkestone	4·2	—	42	3	27	—	—	59·7	—
h St. Leonards	178	61	27th	38	24th	55·7	43·9	49·6	+ 0·2	1	0·13	3	- 20	St. Leonards	4·7	+1·2	47	0	35	52·3	—	58·3	—
p Southampton	64	63	27th	32	25th	58·4	41·4	49·7	+ 0·6	1	0·24	6	- 18	Southampton	5·1	+2·0	51	3	27	—	—	—	—
a Ventnor	59	64	26th	36	24th	58·0	44·3	51·0	0·0	1	1·15	29	+ 5	Ventnor	4·6	+1·2	45	—	—	—	—	—	—
LONDON t Richmond (Kew Obs.)	18	60	262729	35	25th	55·8	39·2	47·3	- 0·2	1	0·05	1	- 15	Richmond	3·5	+0·9	35	2	27	49·8	- 0·5	56·1	+2·3
a Westminster	27	62	27th	34	25th	56.7	40·4	48·3	- 0·4	1	0 04	1	- 14	Westminster	3·1	+1·2	31	2	28	—	—	—	—
ag Greenwich	149	60	27, 29	35	25th	55·3	39·9	47·4	- 0·3	1	0·02	1	- 15	Greenwich	2·4	- 0·3	24	1	28	—	—	—	—
a Hampstead	450	60	27, 29	34	24, 25	55.9	40·9	48·2	—	1	0·03	1	—	Hampstead	4·1	—	41	3	25	—	—	—	—
ag Camden Square	110	61	27, 29	34	25th	57·0	39·7	48·1	0·0	1	0·02	1	- 15	Camden Square	—	—	—	0	32	50·4	—	55·8	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	57	29th	29	24th	52·4	42·3	47·2	+2·2	1	0·02	1	- 23	Aspatria	2·3	- 0·6	24	2	22	49·3	+1·7	52·8	+1·7
p Newton Rigg	559	60	25th	30	23rd	54·1	42·4	48·1	+4·2	2	0·02	1	- 20	Newton Rigg	2·3	- 0·2	23	2	19	—	—	—	—
p Stonyhurst	375	58	29th	32	24th	54·1	42·4	48·1	+2·9	3	0·13	3	- 24	Stonyhurst	2·7	+0·2	27	2	26	—	—	—	—
h Blackpool	66	59	25, 29	30	24th	56 1	46·7	51·3	+4·7	0	0·00	0	- 22	Blackpool	3·3	+0·4	33	1	25	53 0	—	54·9	—
h Southport	37	58	25, 26	32	24th	54·3	46·7	50·4	+3·8	2	0·06	1	- 19	Southport	3·4	+0·7	34	1	20	49·6	+1·9	54·4	+2·4
														Hoylake	3·2	+0·4	32	—	—	—	—	—	—
t Liverpool (Bidston)	188	58	29th	39	24th	54·4	45·9	50·0	+3·0	1	0·31	8	- 10	Liverpool	3·2	—	32	0	32	—	—	—	—
a Hawarden Bridge	22	60	252729	34	24th	56·7	45·4	50·9	+3·5	1	0·11	3	- 13	Manchester City	1·1	- 0·6	11	1	30	50·3	+1·1	57·0	+2·9
p Manchester (Whit. Pk.)	125	59	29th	29	24th	54·3	43·4	48·7	+1·7	1	0·01	0·3	- 19	„ Whit. Pk.	0·8	- 0·9	8	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	60	26th	42	23rd	55·6	47·4	51·4	+2·9	2	0·10	3	- 17	Llandudno	3·6	+0·5	36	—	—	—	—	—	—
t Holyhead	15	60	26th	44	23rd	56·0	49·4	52·6	+3·9	1	0·16	4	- 20	Holyhead	4·2	—	42	0	40	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters a and p retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, p for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked g a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	62	26th	31	24th	56·4	44·4	50·2	—	1	0·27	7	—	Aberystwyth	3·4	+0·3	34	—	—	—	—	—	—
a Rhayader	757	57	27th	23	24th	52·7	36·3	44·3	—	2	0·17	4	—	Rhayader ..	2·7	—	27	4	12	—	—	—	—
t Pembroke	149	60	26th	42	24th	56·9	48·1	52·4	+2·6	1	0·28	7	- 18	Pembroke ..	4·2	+1·3	42	—	—	—	—	—	—
p Cardiff	202	60	28th	34	24th	56·3	42·6	49·3	+2·0	1	0·33	8	- 20	Cardiff ..	4·4	—	44	2	25	51·8	+1·4	56·8	+2·8
b, ENGLAND, S.W.																							
h Bath	66	59	26, 28, 29	29	25th	55·9	38·1	46·7	- 0·8	1	0·18	5	- 14	Bath	3·3	+0·4	33	—	—	52·7	- 0·4	57·5	+1·2
a Shaftesbury	722	58	26, 29	31	24th	54·4	40·4	47·2	+0·4	1	0·13	3	- 20	Shaftesbury ..	—	—	—	—	—	51·5	—	57·9	—
a Arlington	613	59	28th	34	24th	55·4	43·0	49·0	+1·9	1	0·70	18	- 20										
h Newquay	190	58	27, 28	35	24th	56·4	46·7	51·4	+1·0	1	0·06	2	- 22	Newquay ..	3·9	+0·6	38	—	—	54·7	—	57·8	—
a Cullompton	202	61	25, 28	30	25th	57·9	35·7	46·5	- 0·9	1	0·18	5	- 19	Cullompton ..	3·8	+1·1	37	5	21	52·1	—	—	—
t Portland Bill	19	63	27th	39	24th	57·6	47·4	52·4	+1·7	1	0·02	0·4	- 21	Weymouth ..	5·6	—	55	—	—	—	—	—	—
p Plymouth	116	61	28th	35	24th	57·9	44·4	51·0	+1·4	1	0·15	4	- 20	Plymouth ..	5·0	+1·9	50	1	28	52·3	0·0	57·8	—
t Falmouth	167	61	28th	34	24th	58·0	44·9	51·3	+1·3	2	0·20	5	- 25	Falmouth ..	4·1	+0·8	40	1	30	53·4	—	59·5	—
9. IRELAND, N.																							
t Malin Head	208	57	25, 26	39	23rd	54·1	48·7	51·3	+4·4	3	0·25	6	- 12	Malin Head ..	2·4	—	25	—	—	—	—	—	—
t Blacksod Point ..	10	62	26th	40	24th	56·4	47·7	51·9	+4·1	4	0·17	4	- 25										
a, West .. *a* Mallarany	120	58	27th	38	24th	55·6	45·4	50·4	—	1	0·28	7	—	Mallarany ..	2·0	—	20	2	29	—	—	—	—
p Markree Castle.. ..	122	60	28th	31	23rd	56·4	42·9	49·5	+4·3	3	0·19	5	- 19	Markree Castle	2·1	- 0·7	21	2	26	52·4	+1·9	55·1	+1·7
p Armagh	204	61	29th	33	23rd	55·3	42·7	48·8	+3·5	3	0·07	2	- 14	Armagh ..	3·6	+0·7	37	2	27	50·6	+0·8	53·9	+1·2
b, East .. *t* Donaghadee ..	35	60	29th	37	23rd	55·6	45·0	50·1	+3·3	1	0·24	6	- 11										
														Trinity Coll.	—	—	—	2	25	51·2	+0·8	54·8	+1·8
														Phœnix Park	2·8	- 0·4	28	2	29	—	—	—	—
10. IRELAND, S.														Dublin City ..	—	—	—	0	31	—	—	—	—
p Dublin City	54	57	25, 26, 27, 29	36	23, 24	54·4	44·0	49·1	+1·6	1	0·07	2	- 14	Birr Castle ..	2·5	- 0·4	25	2	25	—	—	—	—
t Birr Castle	175	60	27th	30	24th	55·1	41·4	48·1	+2·8	3	0·15	4	- 14										
a Kilkenny	195	59	27th	30	24th	55·6	37·6	46·3	+0·3	1	0·05	1	- 18										
a Waterford	137	58	25, 28, 29	35	24th	55·9	42·3	48·9	+1·3	2	0·06	2	- 22										
p Seskin, Carrick-on-Suir	542	60	27th	33	24th	54·6	42·6	48·4	—	3	0·04	1	—	Seskin ..	2·8	—	28	2	29	—	—	—	—
a Foynes	50	61	26th	38	24th	57·9	46·0	51·8	+4·4	3	0·06	1	- 22										
t Cahirciveen (Val. Obs.)	30	59	27, 28	41	24th	57·3	45·6	51·3	+2·1	2	0·08	2	- 32	Cahirciveen ..	2·4	- 0·6	24	0	34	—	—	—	—
a Killarney	174	61	27th	36	24th	57·7	44·2	50·8	+3·0	2	0·05	1	- 32	Ballinacurra	2·9	- 0·1	29	—	—	—	—	—	—
t Roche's Point	32	62	27th	38	24th	57·4	46·1	51·6	+2·6	5	0·07	2	- 23										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	61	28th	45	24th	58·7	50·6	54·5	+2·3	1	0·04	1	- 23	Scilly	3·5	+0·2	34	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	63	27th	43	25th	58·7	49·6	54·0	+1·9	1	0·18	5	- 25	St. Heliers ..	4·1	+0·6	40	—	—	—	—	—	—
p Guernsey	173	65	26th	45	24th	60·1	50·1	55·0	+2·8	1	0·20	5	- 26	Guernsey ..	4·6	+1·1	45	0	37	55·3	+1·0	59·9	+2·6

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 29th, 1921.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
														day.	hour		d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s.			
0 SCOTLAND, N.																			
**Deerness (Cup Anr.) ..	188	16	5	28	3	24, 25, 28,	23	101	34	7	0	290 / 270	18	28	9 / 23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	11	113	44	0	310	8	29	13	18	29	8	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	45	104	19	0	310	10	29	13	—	—	—	—
Edinburgh	485	39	31	—	0	24, 28, 29	8	82	78	0	0	270	12	29	12	19	29	10	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	28, 29	9	25, 28, 29	29	31	67	32	0	300	20	28	13	28	29	11	10
Paisley	188	81	15	—	0	29	1	56	78	27	6	310	11	29	16	20	29	16	55
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	35	90	19	24	210	8	29	17	16	29	10	45
South Shields	72	61	12	—	0	25, 28, 29	17	102	42	7	0	290	13	29	10	20	29	11	25
Spurn Head	66	40	‡	23	1	23, 24, 28, 29	54	59	47	7	0	310	17	23	1	22	23	0	30
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	23, 24	7	58	85	18	0	10	13	24	7	22	24	2	35
Shoeburyness	103	90	‡	—	0	—	0	50	102	14	2	310	10	23	1	16	23	0	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	9	63	96	0	340 / 320	7	24 / 29	14 / 13	15	29	12	35
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	37	122	9	0	—	9	23	1	17	23	1	30
Butler's Cross, Larkhill ..	513	63	43	—	0	—	0	73	95	0	0	320	11	29	15	14	29	14	55
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	3	79	86	0	350 † / 300	6	24 / 29	12	14	29	13	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	29	1	23, 28, 29	29	64	60	14	0	290	18	29	12	22	29	11	30
Holyhead	60	40	‡	—	0	23, 29	16	94	51	7	0	280	13	29	15	17	23 29	1 15	5 5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	23, 29	10	51	103	4	0	270	14	23	13	23	23	13	5
Plymouth	185	88	2	—	0	—	0	20	87	61	0	—	10	29	13	16	29	12	15
Lyme Regis	556	61	‡	—	0	—	0	15	136	17	0	—	11	23	22	14	23	21	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	23, 24, 28, 29	19	87	59	3	0	260	13	28	13	—	—	—	—
Quilty	100	40	‡	—	0	23	14	32	113	9	0	—	16	23	9	23	23	7	15
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	23	11	10	92	55	0	340	13	23	13	21	23	7	50
Weaver Pt.	160	30	‡	—	0	23	9	20	119	20	0	—	13	23	14	22	23	12	40
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	‡	23	1	23	11	16	125	15	0	320	19	23	17	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R. * Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday. †Also from 320° at 1h. on 23rd.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-THIRD WEEK of 1921—October 23rd to October 29th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	59	25	84·6	78·7	81·6	+1·8	38	+ 8	0	−11	5	0	0·94	24	− 4	1·0	− 1·9	11	1022
Eastern.																			
1. SCOTLAND, EAST ..	62	22	85·1	78·3	81·6	+1·9	40	+10	1	−14	3	− 1	0·27	7	− 11	3·2	+0·5	33	1024
2. ENGLAND, N.E. ..	65	31	86·6	78·9	82·7	+1·7	52	+15	0	− 7	1	− 3	0·05	1	− 17	4·5	+1·9	45	1026
3. ENGLAND, EAST ..	61	32	86·1	78·2	82·0	+0·6	45	+ 1	2	− 5	2	− 2	0·08	2	− 14	3·1	+0·2	31	1026
4. MIDLAND COUNTIES	64	28	86·0	77·5	81·6	+0·8	44	+ 6	5	− 5	1	− 3	0·13	3	− 14	3·6	+1·1	36	1029
5. ENGLAND, S.E. ..	64	26	86·4	77·9	82·1	− 0·1	47	− 4	3	− 2	1	− 3	0·25	6	− 16	3·9	+0·8	38	1028
Western.																			
6. SCOTLAND, WEST ..	61	22	85·6	79·3	82·4	+1·9	48	+12	0	− 9	2	− 2	0·26	7	− 19	—	—	—	1027
7. ENGLAND, N.W. ..	60	29	85·7	80·2	82·9	+1·7	55	+15	0	− 5	1	− 3	0·10	3	− 20	2·9	+0·3	29	1030
8. ENGLAND, S.W. ..	63	23	86·5	78·6	82·4	+0·2	49	− 1	0	− 4	1	− 4	0·23	6	− 21	3·8	+0·9	38	1030
9. IRELAND NORTH ..	62	30	86·1	80·1	83·0	+2·1	56	+17	0	− 8	3	− 1	0·18	5	− 17	2·8	− 0·1	29	1029
10. IRELAND, SOUTH ..	62	30	86·6	79·3	82·8	+1·2	54	+ 8	0	− 6	2	− 2	0·07	2	− 22	2·7	− 0·4	27	1032
11. ENGLISH CHANNEL..	65	43	88·1	83·1	85·5	+1·2	88	+16	0	0	1	− 4	0·14	4	− 24	4·1	+0·7	40	1030
MEAN: DISTRICTS 1-10	65	22	86·1	78·8	82·4	+1·2	49	+ 8	1	− 7	2	− 2	0·16	4	− 17	3·4	+0·6	34	1028

THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, August 28th to October 29th, 1921.

0. SCOTLAND, NORTH ..	74	25	86·7	80·6	83·5	+ 0·7	562	+ 45	0	−27	43	0	9·53	242	+10	2·2	−0·9	19	1014
Eastern																			
1. SCOTLAND, EAST ..	81	22	87·9	80·4	84·1	+ 1·1	624	+ 73	1	−34	33	− 2	4·92	126	− 20	3·8	+ 0·2	32	1016
2. ENGLAND, N.E. ..	80	31	90·5	82·3	86·2	+ 2·0	871	+213	0	−13	18	−14	3·57	92	− 31	5·1	+ 1·1	43	1019
3. ENGLAND, EAST ..	85	32	92·0	82·8	87·2	+ 2·2	985	+235	2	−13	19	−12	2·65	68	− 50	5·4	+ 1·0	46	1020
4. MIDLAND COUNTIES	84	28	91·6	81·5	86·4	+ 2·1	890	+207	5	−21	19	−12	3·69	94	− 33	5·1	+ 1·3	43	1020
5. ENGLAND, S.E. ..	85	26	92·7	83·0	87·6	+ 2·0	1031	+220	3	− 9	15	−16	2·02	52	− 91	5·9	+ 1·3	50	1021
Western.																			
6. SCOTLAND, WEST ..	76	22	88·6	81·8	85·1	+ 1·4	739	+129	0	−19	35	+ 1	7·90	202	− 17	—	—	—	1018
7. ENGLAND, N.W. ..	81	29	90·1	82·9	86·3	+ 1·8	883	+198	0	− 9	23	−11	5·31	135	− 39	4·7	+ 0·9	40	1019
8. ENGLAND, S.W. ..	82	23	91·5	83·4	87·2	+ 2·0	987	+221	0	− 8	18	−17	3·60	92	− 99	4·9	+ 0·6	42	1020
9. IRELAND, NORTH ..	73	30	89·0	82·4	85·5	+ 1·4	792	+152	0	−13	36	− 3	6·33	162	− 13	3·1	− 0·3	26	1018
10. IRELAND, SOUTH ..	75	30	89·9	83·1	86·4	+ 1·6	887	+165	0	−11	35	0	5·16	131	− 44	3·7	− 0·2	31	1019
11. ENGLISH CHANNEL..	80	43	92·5	86·1	89·2	+ 2·2	1200	+246	0	0	20	−16	2·00	52	−115	6·3	+ 1·1	53	1020
MEAN: DISTRICTS 1-10..	85	22	90·4	82·4	86·2	+ 1·8	869	+181	1	−15	25	− 9	4·52	115	− 44	4·6	+ 0·7	39	1019

THE YEAR. Aggregates, &c., for the Period of 43 Weeks, January 2nd to October 29th, 1921.

0. SCOTLAND, NORTH..	81	16	85·2	78·7	81·8	+ 0·7	2148	+168	348	−218	191	− 8	41·65	1060	+68	3·4	− 0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·3	78·4	82·1	+ 0·7	2394	+192	452	−200	156	−12	21·73	551	− 75	4·5	+ 0·4	34	1015
2. ENGLAND, N.E. ..	92	22	88·0	80·0	83·8	+ 1·5	3154	+623	250	−235	120	−32	14·22	366	−144	4·9	+ 0·4	38	1017
3. ENGLAND, EAST ..	91	23	89·2	80·4	84·6	+ 1·7	3600	+692	229	−280	97	−50	10·08	258	−225	5·6	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	89·2	79·9	84·3	+ 1·6	3433	+622	258	−290	112	−34	14·34	366	−173	5·0	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	89·6	81·1	85·0	+ 1·5	3736	+637	173	−218	99	−44	10·11	259	−276	5·8	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·8	79·7	83·1	+ 0·9	2802	+381	240	−195	176	+ 1	38·18	970	+52	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·7	80·7	84·0	+ 1·3	3171	+528	161	−230	140	−20	23·27	593	−108	4·9	+ 0·5	38	1017
8. ENGLAND, S.W. ..	89	22	88·8	81·1	84·8	+ 1·5	3541	+618	131	−178	121	−39	17·73	452	−301	5·4	+ 0·6	42	1019
9. IRELAND, NORTH ..	86	23	87·3	80·4	83·7	+ 1·2	2977	+460	148	−205	175	−18	26·35	668	− 95	3·9	0·0	30	1016
10. IRELAND, SOUTH ..	90	23	88·3	81·1	84·5	+ 1·1	3409	+514	117	−154	166	− 5	25·71	656	−136	4·5	+ 0·1	34	1018
11. ENGLISH CHANNEL..	87	32	89·1	83·2	86·3	+ 1·7	4083	+670	27	− 78	121	−44	12·64	322	−300	6·3	+ 0·5	49	1019
MEAN: DISTRICTS 1-10..	93	8	88·1	80·3	84·0	+ 1·3	3222	+527	216	−219	136	−25	20·17	514	−148	4·9	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
4th November, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 44.

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SUNDAY, OCTOBER 30TH, TO SATURDAY, NOVEMBER 5TH, 1921.

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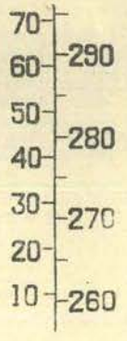
I.—GENERAL SUMMARY. [First published in 1878.]

During the whole of the week the weather over the British Islands was of a very unsettled character and finally on Saturday night when a circular storm passed across the country there was a severe gale with much rain over a wide area. There were one or two bright days in some parts of the country, but the weather, as a whole, was cloudy, with rain, snow and hail in several places. Fog was also reported at a number of stations. Mean temperature was above the normal in all districts with the exception of Scotland N. and Scotland E., the greatest excess being 3·4a in Ireland S. The highest of the maxima were recorded mostly on the 30th or 31st when temperatures of 291a or slightly above were registered at a number of stations. On Wednesday, there was a decided drop in the day temperature in most of the northern and eastern parts of the country when at a number of stations maxima did not rise above 277a and at one or two of the Scottish stations it was as low as 276a on that day. Screen minima below 273a were registered in several places on various dates, the actual lowest being 269a at West Linton (Peebles) on the 3rd. Grass minima below 272a were recorded at a number of stations, and on the morning of the 3rd Durham had a reading as low as 266a. The total rainfall was in excess of the normal in all districts except Scotland E. and the English Channel. Amongst the heaviest individual falls were 37mm. at Fort William on October 31st, 30mm. at Blacksod Point on November 1st and 33mm. at Donaghadee (Co. Down), 33mm. at West Witton (North Riding) and 31mm. at Durham on November 5th. The amount of bright sunshine for the week was below the normal at the great majority of stations; the sunniest day was October 30th when more than 8 hrs. were registered in several places. The largest amounts were 9 hours at Clifton and Torquay, 8 8 at St. Ann's Head and 8·7 hrs at Weymouth and also at Plymouth. The mean departure from the normal ranged from +1·2 hours at Durham to –2·5 at Cahirciveen (Valencia Observatory). Aurora was witnessed at Aberdeen and also at Gordon Castle (Elgin) on October 31st. Solar halos were observed at Oxford on November 4th and 5th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	10	4·1	11	3·5	10	1·8	9	2·7	12	4·2	—	—	18	3·4	19	3·7
North	15	5·9	2	2·9	13	1·8	7	1·8	15	3·4	—	—	5	3·1	6	3·6
West	24	8·0	20	6·5	26	3·9	17	3·0	24	6·6	—	—	22	6·3	21	5·3
East	3	6·7	0	—	0	—	2	1·9	4	4·2	—	—	4	1·4	4	1·4
Calm	1	—	7	—	2	—	9	—	0	—	—	—	1	—	2	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

Comparison with the normal for the time of year ..	Districts of the British Isles. Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Warmth ..	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual
Rainfall ..	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Very Heavy	Moderate	Light
Sunshine ..	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	—	Moderate	Scanty	Scanty	Very Scanty	Scanty

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *10* weeks from August 28th, 1921.	Warmth ..	5, 3, 2	6, 2, 2	7, 3, 0	5, 5, 0	6, 4, 0	6, 4, 0	7, 1, 2	8, 1. 1	7, 3, 0	8, 0, 2	7, 1, 2	9, 1, 0
	Rainfall ..	3, 5, 2	3, 2, 5	4, 1, 5	2, 2, 6	2, 3, 5	2, 1, 7	2, 4, 4	3, 2. 5	1, 1, 8	2, 5, 3	1, 5, 4	0, 1, 9
	Sunshine ..	2, 1, 7	4, 4, 2	5, 4, 1	4, 4, 2	5, 5, 0	6, 1, 3	—	5, 4, 1	5, 1, 4	2, 4, 4	3, 2, 5	4, 4, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a = increment of 33° F. 273 a = 0° C = 32° F. 1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	53	30, 31	30	2, 3	45·6	37·1	41·4	- 2·9	6	1·43	36	+11										
p Deerness, Orkney	165	55	31st	32	1st	47·0	37·6	42·3	- 2·4	5	1·25	32	+ 8	Deerness	0·7	- 1·0	8	—	—	—	—	—	—
a, Islands t Stornoway	51	57	31st	32	2nd	48·1	41·0	44·6	0·0	7	1·92	49	+15	Stornoway	1·5	- 0·4	17	—	—	—	—	—	—
t Castlebay, Barra I.	37	56	31st	38	2nd	49·3	45·3	47·3	—	6	1·00	26	—	Castlebay	0·6	—	7	—	—	—	—	—	—
t Wick	81	57	30th	30	2, 3	46·1	38·6	42·4	- 1·7	5	1·10	28	+ 9										
a Strathpeffer	125	57	31st	28	2nd	47·9	36·3	42·1	- 1·5	4	1·60	41	+24										
b, Main- p Glencarron	500	57	31st	31	2, 3	47·4	38·3	42·9	‡ 0·2	7	3·01	76	+21										
land. a Fort Augustus	68	56	31st	29	2nd	49·7	37·4	43·6	- 0·4	3	1·43	36	+10										
p Fort William	171	56	31st	32	2nd	50·0	40·3	45·2	+0·3	6	2·84	72	+25										
1. SCOTLAND, E.																							
t Nairn	82	57	31st	28	2nd	45·4	38·4	41·9	- 1·6	5	0·98	25	+ 9	Nairn	1·1	—	13	—	—	—	—	—	—
p Gordon Castle	101	60	31st	30	2nd	48·1	38·0	43·1	- 1·5	6	1·16	29	+ 9	Gordon Castle	1·3	—	14	—	—	—	—	—	—
t Aberdeen	46	57	30th	31	2nd	47·0	38·7	42·9	- 1·7	5	0·43	11	- 9	Aberdeen	2·1	0·0	24	2	25	—	—	50·1	+1·6
a Balmoral	930	55	31st	27	2nd	44·6	36·0	40·3	- 0·6	5	0·76	19	- 5	Balmoral	—	—	—	2	23	—	—	—	—
p Crieff	432	57	31, 1	30	2nd	49·9	38·3	44·1	+0·1	4	0·70	18	- 10	Crathes	1·7	- 0·5	18	4	21	45·1	—	48·7	—
a Dundee	244	56	4, 5	29	2nd	51·1	37·0	44·1	+0·1	4	0·23	6	- 11	Dundee	2·8	—	31	3	23	46·6	—	—	—
t Inchkeith (F. of Forth)	190	56	31st	36	2nd	49·0	42·7	45·9	—	5	0·44	11	—	Inchkeith (F. of Forth)	—	—	—	0	34	—	—	—	—
p Edinburgh	441	56	31st	33	3rd	50·4	40·6	45·5	+0·7	5	0·61	16	0	Edinburgh	2·7	+0·4	29	1	28	—	—	—	—
a West Linton	769	54	31st	25	3rd	48·4	36·9	42·7	+1·8	7	1·31	33	—	West Linton	—	—	—	4	21	—	—	—	—
a Marchmont	498	57	30th	31	2, 3	51·3	39·3	45·3	+1·8	3	0·46	12	- 11	Marchmont	2·0	0·0	22	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	56	31st	33	2nd	49·8	42·3	46·1	—	6	2·04	52	—	Ford (Argyll)	—	—	—	0	32	49·3	—	52·9	—
t Renfrew	49	57	30th	32	3, 4	48·9	40·3	44·6	—	5	1·16	29	—	Renfrew	—	—	—	2	26	—	—	—	—
p Rothesay	200	57	31st	35	3rd	50·6	41·4	46·0	0·0	6	2·03	52	+22	Rothesay	1·5	—	16	0	31	48·0	—	51·7	+2·3
a Kilmarnock	90	56	30th	33	3rd	51·0	41·3	46·2	+1·8	5	1·49	38	+15	Kilmarnock	1·0	—	11	—	—	48·8	—	52·1	—
a Colmonell	170	57	31st	36	3rd	53·1	44·7	48·9	+3·0	5	1·64	42	+12	Colmonell	—	—	—	0	32	—	—	—	—
p Dumfries	160	58	30th	32	3rd	53·1	41·3	47·2	+2·0	5	0·97	25	+ 2	Dumfries	2·0	—	22	2	26	49·3	+3·6	52·1	+1·8
t Eskdalemuir	794	54	30th	29	2nd	47·1	38·9	43·0	—	5	1·50	38	—	Eskdalemuir	2·5	—	27	3	26	—	—	—	—
b, I. OF MAN h Douglas	284	56	30,31,4	42	2, 3	52·1	45·3	48·7	+1·5	6	2·32	59	+29	Douglas	1·8	- 0·9	20	0	39	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	61	30th	30	3rd	51·6	39·3	45·5	+0·3	6	1·05	27	+ 7	Cockle Park	2·9	+0·6	32	—	—	45·9	+2·0	50·0	+2·1
t Tynemouth	118	60	30th	35	2, 3	50·4	43·1	46·8	+0·8	4	1·20	31	+17										
p Durham	336	61	30th	29	3rd	52·3	40·1	46·2	+1·4	3	1·41	36	+21	Durham	3·3	+1·2	35	2	19	—	—	—	—
a North p Rounton	249	61	30th	31	3rd	54·7	39·6	47·2	+2·5	4	1·33	34	+20	Rounton	—	—	—	3	22	49·3	—	—	—
a West Witton	605	59	30th	31	3rd	50·7	40·6	45·7	—	5	1·68	43	—	West Witton	—	—	—	2	27	47·2	—	50·8	—
h Scarborough	118	68	30th	38	2, 3	52·9	43·6	48·3	+1·4	4	1·18	30	+14	Scarborough †	2·7	+0·6	29	—	—	—	—	53·4	—
p York	56	64	30th	34	3rd	53·9	41·7	47·8	+1·9	5	1·26	32	+19	York	2·9	+1·1	31	—	—	50·3	+1·8	53·8	+2·1
t Spurn Head	26	57	30th	40	3rd	52·4	44·9	48·7	+1·2	5	0·89	23	+11	Spurn Head	1·9	—	21	—	—	—	—	—	—
b, South a Lincoln	58	60	30th	34	3rd	53·9	41·1	47·5	+1·8	5	1·34	34	+22	Lincoln	—	—	—	0	32	48·0	+1·3	53·7	+1·7
t Cranwell	237	60	30th	34	3rd	52·7	42·7	47·7	+1·8	5	0·95	24	+12	Cranwell	2·5	+0·2	26	1	30	—	—	—	—
														Skegness	2·0	- 0·6	21	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	57	30th	38	3rd	52·4	43·1	47·8	+0·1	5	0·53	14	- 1	Cromer	1·9	- 0·7	20	—	—	—	—	—	—
a Little Massingham	277	55	30, 31	37	2, 3	51·0	42·1	46·6	+1·1	5	0·87	22	+ 4	Lit Massingham	0·8	- 1·6	8	—	—	—	—	—	—
t Yarmouth	13	58	30th	35	2nd	53·1	44·0	48·6	+1·0	5	0·89	23	+ 6	Yarmouth	2·0	—	21	0	33	51·4	+3·3	54·9	+1·9
a Norwich	93	56	30, 31	34	3rd	52·0	42·4	47·2	+0·5	6	1·03	26	+ 8	Norwich	1·7	—	18	1	28	47·0	—	—	—
a Geldeston	37	58	30,31,5	32	2nd	54·1	40·7	47·4	+0·1	5	0·97	25	+ 8	Geldeston	1·9	- 0·8	20	—	—	—	—	—	—
p Cambridge	41	60	30th	35	2nd	54·1	40·6	47·4	+ 0·8	5	1·37	35	+21	Cambridge	1·4	- 1·3	14	1	29	50·0	+1·7	55·5	+2·5
t Clacton-on-Sea	54	60	30th	38	2nd	54·6	46·4	50·5	+ 2·7	5	1·39	35	+23	Clacton-on-Sea	1·7	- 1·1	18	0	32	51·2	+0·5	55·8	+1·9
a Rothamsted	420	59	30th	36	31st	53·7	42·6	48·2	+ 2·1	5	1·58	40	+22	Rothamsted	1·4	- 1·2	15	2	30	49·3	—	—	—
p Tottenham	51	63	4th	40	31st	56·3	44·9	50·6	—	3	0·96	24	—	Tottenham	1·0	—	11	—	—	—	—	57·6	+3·2
														Southend	1·0	—	10	0	41	52·3	+1·9	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	61	30th	33	3rd	51·1	41·7	46·4	+ 1·9	5	1·74	44	+25	Harrogate	2·6	+0·4	28	2	29	48·9	+2·1	51·2	+2·3
a North p Sheffield	429	59	30th	37	2nd	53·9	43·1	48·5	—	5	1·37	35	—	Sheffield	2·9	+0·8	31	0	37	48·8	+1·7	52·4	+1·6
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
a Worksop	56	66	30th	34	3rd	55·0	41·6	48·3	+ 2·7	4	1·23	31	+16	Worksop	2·2	+0·2	23	3	28	48·7	—	52·1	—
t Nottingham	82	61	30th	37	2nd	53·0	45·3	49·2	+ 3·6	5	1·04	26	+12	Nottingham	2·1	+0·2	22	0	32	47·9	+1·8	52·4	+1·4
b, East p Birmingham, Edgbsn	525	60	30th	39	3rd	54·4	42·6	48·5	+ 2·7	6	1·37	35	+19	Birmingham	1·6	- 0·1	17	1	30	48·7	+1·9	52·8	+2·1
a Raunds	213	60	30th	36	31st	54·4	41·0	47·7	+ 2·2	5	1·09	28	+13	Raunds	1·8	—	19	0	33	50·1	—	—	—
p Oxford	208	60	30th	36	31st	56·9	43·7	50·3	+ 3·8	5	1·35	34	+18	Oxford	1·6	- 0·9	17	0	31	—	—	—	—
														Malvern	2·0	—	21	0	38	50·9	—	54·6	—
a Cheadle (N. Staffs.)	646	57	30, 4	31	2nd	52·0	40·0	46·0	+ 1·4	5	1·46	37	+18	Cheadle	—	—	—	2	28	—	—	—	—
c, West p Tenbury	313	63	30th	29	31st	57·1	40·6	48·9	+ 3·3	5	0·83	21	+ 6	Tenbury	—	—	—	1	28	49·4	—	—	—
a Hereford	291	60	30th	30	31st	57·4	41·0	49·2	+ 3·3	5	0·89	23	+ 6	Ross on Wye	1·7	—	18	0	32	—	—	—	—
a Clifton	225	59	4th	40	31st	57·3	45·0	51·2	+ 3·7	5	1·06	27	+ 5	Clifton	2·4	—	25	0	39	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	61	30th	30	31st	57·7	41·9	49·8	+ 4·2	5	1·29	33	+10	Worthing	1·7	- 1·5	18	0	37	51·8	+1·6	55·3	+0·9
a Porton	340	61	30th	29	31st	59·5	41·4	50·5	—	5	1·20	30	—	Marlborough	1·6	- 0·7	17	1	30	51·2	—	54·7	—
a Wisley, Surrey	150	66	30th	35	31st	57·7	43·3	50·5	+ 3·6	6	1·04	27	+ 9	Porton	—	—	—	2	27	51·1	—	—	—
h Tunbridge Wells	354	61	30th	38	31st	56·4	44·7	50·6	+ 3·1	5	1·28	33	+ 8	Wisley, Surrey	1·4	- 1·1	14	1	26	50·1	+1·8	54·1	+1·7
h Margate	51	59	30, 31	45	2nd	55·3	48·1	51·7	+ 2·5	4	1·17	30	+12	Tunbridge Wells	1·4	- 1·5	15	1	29	52·2	+4·1	55·4	—
														Margate	1·2	- 1·4	12	0	41	53·6	+4·4	58·0	+4·9
t Dungeness	21	61	31st	41	31st	58·3	48·4	53·4	+ 4·2	4	1·34	34	+12	Folkestone	0·9	—	9	0	35	—	—	58·9	—
h St. Leonards	178	61	30th	44	2nd	58·7	48·6	53·7	+ 4·4	5	1·42	36	+12	St. Leonards	1·7	- 1·4	18	0	39	52·9	—	56·7	—
p Southampton	64	62	30th	39	31st	59·1	46·9	53·0	+ 4·0	5	0·99	25	0	Southampton	1·4	- 1·4	15	2	30	—	—	—	—
a Ventnor	59	64	30th	47	30, 5	60·7	50·3	55·5	+4·5	5	0·91	23	- 2	Ventnor	1·8	- 1·3	19	—	—	—	—	—	—
LONDON] t Richmond (Kew Obs.)	18	60	30th	39	31, 1	56·7	43·0	49·8	+ 2·4	5	1·25	32	+15	Richmond	1·4	- 0·9	14	0	31	50·0	+1·8	54·7	+2·0
a Westminster	27	62	30th	39	31st	57·0	45·0	51·0	+ 2·3	5	1·30	33	+17	Westminster	1·1	- 0·5	11	0	32	—	—	—	—
ag Greenwich	149	58	30,31,1,4	39	31st	56·0	44·7	50·4	+ 2·8	5	1·27	32	+15	Greenwich	0·9	- 1·5	9	1	29	—	—	—	—
a Hampstead	450	61	30th	40	3rd	54·6	44·1	49·4	—	5	1·35	34	—	Hampstead	1·4	—	14	0	33	—	—	—	—
ag Camden Square	110	62	30th	40	31st	56·3	44·4	50·4	+ 2·4	5	1·37	35	+18	Camden Square	—	—	—	0	38	50·3	—	54·4	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	55	30, 31	36	2nd	51·1	41·1	46·1	+1·0	5	1·68	42	+17	Aspatria	1·4	- 1·1	15	0	31	49·4	+3·2	52·1	+2·0
p Newton Rigg	559	60	30th	32	3rd	53·4	41·1	47·3	+3·5	5	2·10	53	+31	Newton Rigg	0·8	- 1·3	9	2	27	—	—	—	—
p Stonyhurst	375	57	30th	37	3rd	53·0	44·1	48·6	+3·3	6	2·23	57	+29	Stonyhurst	2·5	+0·5	26	0	36	—	—	—	—
h Blackpool	66	58	30th	39	2, 3	53·1	46·6	49·9	+3·4	6	2·27	58	+36	Blackpool	2·3	- 0·1	25	0	39	52·4	—	54·0	—
h Southport	37	57	30th	39	3rd	52·0	46·9	49·5	+3·0	6	1·80	46	+26	Southport	1·9	- 0·4	20	0	37	50·1	+4·3	53·3	+3·0
														Hoylake	1·4	- 1·0	15	—	—	—	—	—	—
t Liverpool (Bidston)	188	59	30, 1	40	3rd	55·6	46·1	50·9	+3·9	5	1·04	26	+ 8	Liverpool	1·8	—	20	0	38	—	—	—	—
a Hawarden Bridge	22	60	30, 4	41	3.d	56·3	45·9	51·1	+3·6	5	1·36	35	+19	Manchester City	1·7	+0·6	18	0	40	50·4	+3·2	55·4	+2·6
p Manchester (Whit. Pk.)	125	59	30th	40	2, 3	54·1	44·0	49·1	+2·4	6	1·61	41	+23	,, Whit. Pk.	1·9	+0·7	20	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	58	30,31,4	44	2, 3	55·7	48·1	51·9	+3·3	6	1·38	35	+15	Llandudno	1·6	- 1·0	17	—	—	—	—	—	—
t Holyhead	15	61	30th	45	2, 3	56·6	49·6	53·1	+4·2	6	0·94	24	- 1	Holyhead	1·5	—	16	0	42	—	—	—	—
a Aberdovey	60	61	4th	44	31st	57·1	47·3	52·2	—	6	1·51	38	—	Aberdovey	1·5	- 1·2	16	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	59	30th	42	31st	56·9	47·1	52·0	—	6	1·32	34	—	Aberystwyth	Hr. 1·3	Hr. - 1·3	% 14	—	—	—	—	—	—
a Rhayader	757	59	4th	34	31st	55·7	43·1	49·4	—	6	1·67	42	—	Rhayader	2·3	—	24	2	22	—	—	—	—
t Pembroke	149	60	30, 4	48	31st	58·3	52·6	55·5	+5·9	5	0·97	25	- 2	Pembroke	1·9	- 0·6	20	—	—	—	—	—	—
p Cardiff	202	61	30, 4	39	31st	58·1	44·4	51·3	+4·6	6	1·37	35	+ 6	Cardiff	2·1	—	22	0	33	52·1	+3·8	55·2	+2·5
b, ENGLAND, S.W.																							
h Bath	66	59	30, 1-4	38	31st	57·9	46·0	52·0	+5·1	6	1·02	26	+ 6	Bath	1·8	- 0·7	18	—	—	—	—	—	—
a Shaftesbury	722	59	30th	42	5th	56·3	45·1	50·7	+4·5	5	1·33	34	+10	Shaftesbury	—	—	—	—	—	52·4	—	56·1	—
a Arlington	613	59	30th	37	31st	56·6	48·1	52·4	+5·6	5	2·35	60	+20										
h Newquay	190	60	1st	42	31st	58·4	53·0	55·7	+5·5	5	0·57	15	- 10	Newquay	1·8	- 1·1	18	—	—	55·7	—	56·8	—
a Cullompton	202	64	30th	33	31st	60·7	46·4	53·6	+6·6	5	1·29	33	+ 8	Cullompton	1·9	- 0·4	20	2	25	52·0	—	—	—
t Portland Bill	19	62	30, 1, 3	50	30, 2	61·4	52·7	57·1	+6·7	4	0·51	13	- 8	Weymouth	1·9	—	19	—	—	—	—	—	—
p Plymouth	116	65	30th	40	31st	60·9	50·9	55·9	+6·6	5	0·72	18	- 7	Plymouth	2·0	- 0·8	20	0	35	53·2	+2·8	56·3	—
t Falmouth	167	63	30th	43	31st	60·3	52·1	56·2	+6·3	4	0·39	10	- 23	Falmouth	2·3	- 0·6	23	0	37	55·0	—	57·7	—
9. IRELAND, N.																							
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head	—	—	—	—	—	—	—	—	—
a, West .. *t* Blacksod Point	10	59	31st	46	2, 3	55·9	49·4	52·7	+4·6	6	2·25	57	+25										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany	—	—	—	—	—	—	—	—	—
p Markree Castle	122	60	3rd	42	2nd	56·1	45·9	51·0	+5·7	6	1·57	40	+14	Markree Castle	1·0	- 1·4	10	0	38	52·6	+4·1	54·1	+1·7
p Armagh	204	60	3rd	41	1, 2	55·0	43·7	49·4	+4·0	6	1·69	43	+26	Armagh	2·0	- 0·4	22	0	33	51·1	+3·2	52·9	+1·4
b, East .. *t* Donaghadee	35	59	3rd	41	2nd	53·3	45·9	49·6	+2·7	5	2·20	56	+37										
														Trinity Coll.	—	—	—	0	33	51·9	+3·3	53·6	+1·8
10. IRELAND, S.														Phœnix Park	1·0	- 1·8	11	0	37	—	—	—	—
p Dublin City	54	58	31, 2, 3, 4	44	30, 2, 5	56·9	45·7	51·3	+3·5	5	1·11	28	+12	Dublin City	—	—	—	0	40	—	—	—	—
t Birr Castle	175	59	2nd	39	30th	55·4	46·6	51·0	+5·6	5	1·31	33	+15	Birr Castle	0·3	- 2·2	4	0	31	—	—	—	—
a Kilkenny	195	60	2, 3	35	30th	57·9	45·6	51·8	+5·7	5	1·07	27	+ 8										
a Waterford	137	63	2nd	40	30th	59·7	47·4	53·6	+6·0	4	0·74	19	- 4										
p Seskin, Carrick-on-Suir	542	60	2nd	43	30, 4, 5	56·7	45·6	51·2	—	5	0·82	21	—	Seskin	1·1	—	12	0	33	—	—	—	—
a Foynes	50	60	31st	46	1, 2	57·9	49·0	53·5	+5·9	6	1·46	37	+14										
t Cahirciveen (Val. Obs.)	30	60	1st	50	5th	58·0	54·4	56·2	+6·6	5	1·19	30	- 3	Cahirciveen	0·2	- 2·5	2	0	46	—	—	—	—
a Killarney	174	64	31st	49	5th	59·4	52·6	56·0	+7·9	5	0·87	22	- 11	Ballinacurra	1·5	- 1·0	15	—	—	—	—	—	—
t Roche's Point	32	65	2nd	46	30th	60·1	52·7	56·4	+7·2	5	0·81	21	- 4										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's	131	62	30th	50	31st	59·6	54·6	57·1	+5·7	4	0·24	6	- 14	Scilly	1·7	- 1·4	17	—	—	—	—	—	—
t Jersey, St. Aubins	25	62	31st	42	31st	60·3	52·4	56·4	+5·0	4	0·59	15	- 10	St. Heliers	1·9	- 1·3	19	—	—	—	—	—	—
p Guernsey†	173	63	31st	46	31st	61·3	51·0	56·2	+4·8	4	0·44	11	- 15	Guernsey	1·9	- 1·1	20	0	38	55·7	+3·2	58·3	+2·2

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, November 5th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour	m/s.	d.	h.	m.
0 SCOTLAND, N.																			
**Deerness (Cup Anr.)	188	16	5	29, 31, 1	17	29 to 2, 4	37	78	28	8	0	290	20	29	5	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	29	67	55	17	310	8	1	8	19	5	8	20
Aberdeen (Cup Anr.)	120	72	12	—	0	31, 1, 5	11	46	84	27	0	310	14	5	9	—	—	—	—
Edinburgh	485	39	31	—	0	31, 1	13	64	48	43	0	220	16	31	18	26	31	18	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	31	2	31, 1, 4, 5	27	56	49	34	0	260	17	31	16	24	31	14	55
Paisley	188	81	15	—	0	31	1	29	28	2	108†	240	11	31	20	24	31	19	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	33	65	70	0	160	11	31	22	20	31	20	10
South Shields	72	61	12	—	0	31, 1, 5	17	63	72	16	0	270	14	31	24	23	31	22	55
Spurn Head	67	41	‡	—	0	31, 1, 4, 5	24	60	71	13	0	270	16	5	11	20	5	11	30
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	49	104	15	0	290	10	5	12	17	1	8	10
Shoeburyness	103	90	‡	—	0	—	0	20	100	44	4	250	8	1	4	16	1	3	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	22	76	70	0	250	9	1	4	15	5	23	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	44	88	36	0	—	9	1	2	15	1	3	10
Larkhill, S'y Plain	513	63	43	—	0	1, 5	2	91	75	0	0	230	11	1	1	14	1	0	30
														5	24		5	23	05
Richmond (Kew Obs.)	82	65	22	—	0	—	0	18	86	64	0	230	7	31	23	14	1	0	35
												250		1	4				
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.)	109	44	—	4, 5	14	30, 31, 1, 4, 5	34	54	61	5	0	290	20	5	5	—	—	—	—
Southport	80	62	48	31, 1, 4,	5	31, 1, 4, 5	39	66	56	2	0	250	18	1	3	24	1	2	10
Holyhead	60	40	‡	—	0	31, 1, 4, 5	41	75	52	0	0	230	14	5	23	21	5	22	55
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	5	2	2, 3, 4, 5	17	83	42	10	14	250	18	5	23	25	5	23	35
Plymouth	185	88	2	—	0	5	3	47	90	28	0	—	11	5	23	16	5	22	15
Lyme Regis	556	61	‡	—	0	—	0	17	123	23	5	—	9	5	24	13	5	23	35
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	5	1	31, 1, 3 to 5	30	64	63	10	0	270	17	5	24	—	—	—	—
Quilty	100	40	‡‡	—	0	31, 1, 4, 5	42	56	63	7	0	—	15	5	22	23	5	21	10
Cahirciveen (Val. Obs.)	98	41	‡‡	—	0	4, 5	6	87	72	3	0	250	13	5	21	22	5	21	25
Weaver Pt.	160	30	‡‡	—	0	4, 5	3	64	94	7	0	—	12	4	15	19	5	22	45
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.)	150	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

† Out of action after 7h. on 2nd.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FOURTH WEEK of 1921—October 30th to November 5th, 1921.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Lowest	Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	57	28	81·8	76·6	79·2	− 0.5	18	− 9	10	− 1	5	0	1·90	48	+15	1·1	− 0·6	13	1008
Eastern.																			
1. SCOTLAND, EAST ..	60	25	81·9	76·6	79·3	− 0·3	19	− 9	10	− 4	5	0	0·78	20	− 2	2·1	+0·1	23	1010
2. ENGLAND, N.E. ..	68	29	84·6	78·4	81·5	+0·7	38	+ 2	1	− 6	5	+1	1·18	30	+15	2·7	+0·5	29	1014
3. ENGLAND, EAST ..	63	32	85·0	79·1	82·1	+0·8	44	+ 2	0	− 6	5	+1	1·08	27	+11	1·5	− 1·1	16	1016
4. MIDLAND COUNTIES	66	29	85·7	78·7	82·2	+1·6	46	+ 8	0	− 9	5	+1	1·21	31	+13	2·2	− 0·1	23	1017
5. ENGLAND, S.E. ..	66	29	87·4	80·6	84·1	+2·0	69	+20	0	− 3	5	+1	1·19	30	+ 7	1·5	− 1·3	15	1018
Western.																			
6. SCOTLAND, WEST ..	58	32	83·7	78·8	81·2	+0·5	34	0	0	− 8	5	0	1·66	42	+10	—	—	—	1013
7. ENGLAND, N.W. ..	61	32	85·4	80·3	82·9	+1·7	55	+17	0	− 5	6	+1	1·59	41	+17	1·6	− 0·6	17	1016
8. ENGLAND, S.W. ..	65	33	87·8	81·9	84·9	+2.9	80	+33	0	− 3	5	0	1·16	30	+ 1	1·9	− 0·6	20	1019
9. IRELAND NORTH ..	60	39	85·8	80.9	83·4	+2·5	61	+24	0	− 5	6	+1	1·80	46	+22	1·5	− 0·9	16	1015
10. IRELAND, SOUTH ..	65	35	87·6	82·6	85·1	+3·4	82	+37	0	− 4	5	0	1·07	27	+ 3	0·8	− 1·9	8	1018
11. ENGLISH CHANNEL..	63	42	88·8	84·5	86·7	+2·8	102	+34	0	0	4	− 1	0·42	11	− 13	1·8	− 1·3	19	1021
MEAN: DISTRICTS 1-10	68	25	85·5	79·8	82·7	+1·6	53	+13	1	− 5	5	+1	1·27	32	+10	1·8	− 0·7	19	1016

THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, August 28th to November 5th, 1921.

0. SCOTLAND, NORTH ..	74	25	86·2	80·2	83·1	+ 0·6	580	+ 36	10	−28	48	0	11.43	290	+25	2·2	− 0·7	19	1014
Eastern																			
1. SCOTLAND, EAST ..	81	22	87·3	80·1	83·6	+ 0·9	643	+ 64	11	−38	38	− 2	5·70	146	− 22	3·6	+ 0·2	31	1016
2. ENGLAND, N.E. ..	80	29	90·0	81·9	85·8	+ 1·9	909	+215	1	−19	23	−13	4·75	122	− 16	4·8	+ 1·0	42	1019
3. ENGLAND, EAST ..	85	32	91·3	82·4	86·7	+ 2·1	1029	+237	2	−19	24	−11	3·73	95	− 39	5·0	+ 0·8	43	1020
4. MIDLAND COUNTIES	84	28	91·0	81·2	85·9	+ 1·9	936	+215	5	−30	24	−11	4·90	125	− 20	4·8	+ 1·1	41	1020
5. ENGLAND, S.E. ..	85	26	92·2	82·7	87·3	+ 2·0	1100	+240	3	−12	20	−15	3·21	82	− 84	5·5	+ 1·1	47	1020
Western.																			
6. SCOTLAND, WEST ..	76	22	88·1	81·5	84·7	+ 1·3	773	+129	0	−27	40	+ 1	9·56	244	− 7	—	—	—	1018
7. ENGLAND, N.W. ..	81	29	89·6	82·7	86·0	+ 1·8	938	+215	0	−14	29	−10	6·90	176	− 22	4·4	+ 0·8	38	1019
8. ENGLAND, S.W. ..	82	23	91·1	83·2	87·0	+ 2·1	1067	+254	0	−11	23	−17	4·76	122	− 98	4·6	+ 0·5	40	1020
9. IRELAND, NORTH ..	73	30	88·6	82·3	85·3	+ 1·6	853	+176	0	−18	42	− 2	8·13	208	+ 9	2·9	− 0·4	25	1017
10. IRELAND, SOUTH ..	75	30	89·7	83·1	86·2	+ 1·7	969	+202	0	−15	40	0	6·23	158	− 41	3·4	− 0·4	29	1019
11. ENGLISH CHANNEL..	80	42	92·1	85·8	88·9	+ 2·2	1302	+280	0	0	24	−17	2·42	63	−128	5·9	+ 0·9	50	1020
MEAN: DISTRICTS 1-10..	85	22	89·9	82·1	85·9	+ 1·7	922	+195	2	−20	30	− 8	5·79	148	− 34	4·3	+ 0·5	37	1019

THE YEAR. Aggregates, &c., for the Period of 44 Weeks, January 2nd to November 5th, 1921.

0. SCOTLAND, NORTH ..	81	16	85·1	78·6	81·8	+ 0 7	2166	+159	358	−219	196	− 8	43·55	1108	+83	3·3	− 0·2	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·2	78·3	82·1	+ 0·8	2413	+183	462	−204	161	−12	22·51	571	− 77	4·5	+ 0·4	34	1014
2. ENGLAND, N.E. ..	92	22	87·9	80·0	83·8	+ 1·5	3192	+625	251	−241	125	−31	15·40	396	−129	4·9	+ 0·5	38	1017
3. ENGLAND, EAST ..	91	23	89·1	80·4	84·6	+ 1·7	3644	+694	229	−286	102	−49	11·16	285	−214	5·5	+ 0·7	43	1018
4. MIDLAND COUNTIES	93	23	89·2	79·8	84·3	+ 1·7	3479	+630	258	−299	117	−33	15·55	397	−160	5·0	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	21	89·6	81·1	85·0	+ 1·5	3805	+657	173	−221	104	−43	11·30	289	−269	5·7	+ 0·7	44	1019
Western																			
6. SCOTLAND, WEST ..	82	19	86·7	79·7	83·1	+ 1·0	2836	+381	240	−203	181	+ 1	39·84	1012	+62	—	—	—	1016
7. ENGLAND, N.W. ..	89	20	87·6	80·7	84·0	+ 1·3	3226	+545	161	−235	146	−19	24·86	634	− 91	4·9	+ 0·6	37	1017
8. ENGLAND, S.W. ..	89	22	88·7	81·1	84·8	+ 1·5	3621	+651	131	−181	126	−39	18·89	482	−300	5·3	+ 0·5	41	1019
9. IRELAND, NORTH ..	86	23	87·2	80·4	83·7	+ 1·2	3038	+484	148	−210	181	−17	28·15	714	− 73	3·9	0·0	29	1016
10. IRELAND, SOUTH ..	90	23	88·3	81·1	84·6	+ 1·3	3491	+551	117	−158	171	− 5	26·78	683	−133	4·4	0·0	34	1018
11. ENGLISH CHANNEL..	87	32	89·1	83·2	86·3	+ 1·7	4185	+704	27	− 78	125	−45	13·06	333	−313	6·2	+ 0·5	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	88·1	80·3	84·0	+ 1·4	3275	+540	217	−224	141	−25	21·44	546	−138	4·9	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
11th November, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII (New Series) No. 45

FORTY-FIFTH WEEK

SUNDAY, NOVEMBER 6TH. TO SATURDAY, NOVEMBER 12TH, 1921.

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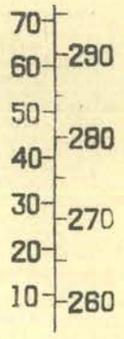
I.—GENERAL SUMMARY. [First published in 1878.]

Strong winds were general over England and Ireland in the early hours of the 6th, gales from W.N.W. occurring at Scilly, Pendennis Castle, Fleetwood and Holyhead, while at Spurn Head and Gorleston the wind attained an average velocity of more than 50 m.p.h. from N.N.W. with numerous gusts of over 70 m.p.h. Gales were also recorded at Weaver Point during the early morning of the 10th and at Pendennis Castle in the forenoon of the 11th. Snow and hail were reported at a number of stations during the early part of the week and thunderstorms occurred at a few places. After Monday the conditions became anticyclonic with fine dry weather in most parts of the country. Fog was reported in several parts of England. There was a decided fall in temperature, the mean for the week being below the normal at all stations, the deficit at Tenbury, Hereford and Hawarden Bridge being as much as 7a. The mean daily range of temperature was in many instances as much as 10a, while at Tenbury it was 13a. The highest of the maxima were registered on the 6th when readings of 287a were recorded in a few places. During the three following days very low day temperatures were registered, the maxima in many parts of Great Britain failing to rise above 275a. The night temperatures were exceedingly low for the time of year; at a number of stations readings below 266a were obtained, the lowest being 262a, or slightly above at Marlborough, Porton (Salisbury Plain), Rhayader (Radnor) and Tenbury (Worcester), while in places frost on the grass was registered on each night of the week, the thermometer recording readings of 261a and less at a number of stations; the actual lowest was about 258a at Wisley and Rhayader. The heaviest amounts of rainfall were 36mm. at Cahirciveen (Valencia Observatory) on the 9th, and 22mm. at Yarmouth (most of which fell in a thunderstorm during the early morning of the 8th). The total amount of rainfall for the week in all districts except England E. was below the normal, and at a number of stations the week was rainless. Bright Sunshine was abundant in all districts, and at several stations the mean for the week was above 250% of the normal; several amounts of more than 8 hours in a day were recorded on various dates. The mean departure from the normal ranged from +4·1 hours at Worthing, Southampton and Newton Rigg to −0·2 hours at Valencia Observatory. Aurora was witnessed at Fort William on the 6th. Solar halos were observed at Dublin on the 9th and at Oxford on the 9th and 10th. Lunar halos were seen at Hodsock Priory (Worksop), Oxford and Ross-on-Wye on the 9th and at Dublin on the 11th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	11	8·0	9	6·9	6	3·7	3	2·3	14	5·6	11	5·5	15	7·4	14	7·9
North	16	8·5	8	2·9	19	5·0	16	2·4	12	8·6	14	6·0	6	3·9	9	4·1
West	20	3·5	13	2·9	18	4·1	11	3·3	9	6·8	6	9·0	18	5·5	4	5·0
East	3	2·2	2	1·0	9	7·1	7	2·2	13	2·0	18	6·1	3	2·8	20	3·3
Calm	1	—	8	—	1	—	9	—	2	—	1	—	1	—	4	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient	Deficient	Deficient
	Rainfall ..	Light	Light	Light	Moderate	Very Light	Very Light	Very Light	Light	Very Light.	Light	Light	Very Light
	Sunshine ..	Very Abundant	Very Abundant	Very Abundant	Abundant	Very Abundant	Very Abundant	—	Very Abundant	Very Abundant	Abundant	Abundant	Very Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *11* weeks from August 28th, 1921.	Warmth ..	5, 3, 3	6, 2, 3	7, 3, 1	5, 5, 1	6, 4, 1	6, 4, 1	7, 1, 3	8, 1, 2	7, 3, 1	8, 0, 3	7, 1, 3	9, 1, 1
	Rainfall ..	3, 5, 3	3, 2, 6	4, 1, 6	2, 3, 6	2, 3, 6	2, 1, 8	2, 4, 5	3, 2, 6	1, 1, 9	2, 5, 4	1, 5, 5	0, 1, 10
	Sunshine ..	3, 1, 7	5, 4, 2	6, 4, 1	5, 4, 2	6, 5, 0	7, 1, 3	—	6, 4, 1	6, 1, 4	3, 4, 4	4, 2, 5	5, 4, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:— Increment of 1a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean							Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	49	10th	29	7, 8	42·6	35·9	39·3	- 4·6	6	0·59	15	- 10										
p Deerness, Orkney	165	49	10th	29	7th	43·1	35·6	39·4	- 4·8	4	0·43	11	- 13	Deerness	3·2	+1·8	38	—	—	—	—	—	—
a, Islands *t* Stornoway	51	51	10th	29	7th	45·3	37·6	41·5	- 2·6	7	1·00	25	- 9	Stornoway	1·9	+0·2	22	—	—	—	—	—	—
t Castlebay, Barra I.	37	52	10th	32	8th	46·6	40·0	43·3	—	5	0·45	11	—	Castlebay	2·4	—	28	—	—	—	—	—	—
t Wick	81	50	10th	29	8, 9	43·1	34·7	38·9	- 4·5	3	0 55	14	- 5										
a Strathpeffer	125	51	10th	26	8th	42·3	30·4	36·4	- 6·5	1	0·09	2	- 15										
b, Main- *p* Glencarron	500	51	10th	23	8th	42·7	28 6	35·7	- 6 7	3	0·73	19	- 36										
land. *a* Fort Augustus	68	52	12th	23	8th	44·6	30·4	37·5	- 5·8	3	0 09	2	- 25										
p Fort William	171	52	10th	28	8, 9	44·3	33·9	39·1	- 5·1	2	0·32	8	- 39										
1. SCOTLAND, E.																							
t Nairn	82	52	10th	28	9th	42·7	33·4	38·1	- 4·7	3	0·12	3	- 12	Nairn	2·7	—	33	—	—	—	—	—	—
p Gordon Castle	101	52	10th	27	12th	44·1	31·4	37·8	- 6·0	3	0·39	10	- 9	Gordon Castle	2·2	—	27	—	—	—	—	—	—
t Aberdeen	46	47	10th	29	8, 9	41·0	32·1	36·6	- 7·2	4	0·37	9	- 10	Aberdeen	4·0	+1·8	46	6	18	—	—	48·5	+1·1
a Balmoral	930	46	10th	18	9th	38·7	26·7	32·7	- 7·4	4	0·18	5	- 18	Balmoral	—	—	—	6	12	—	—	—	—
p Crieff	432	48	10th	25	12th	42·1	30·1	36·1	- 7 0	2	0·03	1	- 26	Crathes	3·4	+1·3	40	5	19	40·2	—	47·2	—
a Dundee	244	48	10th	24	9, 12	41·6	27.0	34·3	- 8·7	0	0·00	0	- 16	Dundee	4·6	—	53	7	17	40·7	—	—	—
t Inchkeith (F. of Forth)	190	49	10th	32	8th	43·0	35·4	39·2	—	0	0·00	0	—	Inchkeith (F. of Forth)	—	—	—	4	27	—	—	—	—
p Edinburgh	441	50	10th	26	8th	41·9	32·0	37·0	- 6·9	0	0·00	0	- 15	Edinburgh	4·9	+2·6	56	6	21	—	—	—	—
a West Linton	769	52	6th	17	9th	42·3	27·4	34·9	- 4·9	1	0·01	0	—	West Linton	—	—	—	7	13	—	—	—	—
a Marchmont	498	45	10th	25	9th	40·9	28·0	34·5	- 8·1	2	0·48	12	- 9	Marchmont	3·4	+1·5	39	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	51	10th	25	9th	44·8	32·5	38·7	—	1	0·06	2	—	Ford (Argyll)	—	—	—	4	21	45·0	—	51·1	—
t Renfrew	49	52	10th	20	12th	43·9	28·0	36·0	—	0	0·01	0·2	—	Renfrew	3·9	—	45	6	13	—	—	—	—
p Rothesay	200	50	10th	30	8th	45·0	35·7	40·4	- 4·6	1	0·02	1	- 30	Rothesay	4·8	—	55	3	23	42·1	—	49 3	+1·0
a Kilmarnock	90	53	10th	24	7, 8	45·4	30·1	37·8	- 5·4	0	0 00	0	- 23	Kilmarnock	3·8	—	44	—	—	42·3	—	50·7	—
a Colmonell	170	53	10th	26	9th	45·9	35·6	40·8	- 4·0	2	0 03	1	- 30	Colmonell	—	—	—	2	22	—	—	—	—
p Dumfries	160	48	10th	22	9th	42·6	27·1	34·9	- 9·0	0	0·00	0	- 22	Dumfries	5·3	—	60	7	15	42·0	- 1·8	50·1	+1·4
t Eskdalemuir	794	42	10th	16	9th	38·9	23·4	31·2	—	0	0 00	0	—	Eskdalemuir	5·2	—	59	6	13	—	—	—	—
b, I. OF MAN *h* Douglas	284	49	10th	30	8, 9	44·3	35·4	39 9	- 6·4	3	0 39	10	- 20	Douglas	4·7	+2·6	53	4	24	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	45	11th	25	9th	41·4	30·6	36·0	- 8·0	4	0·25	6	- 13	Cockle Park	5·2	+2·9	59	—	—	37·4	- 4·7	47·2	+0·6
t Tynemouth	118	45	6th	29	8, 11	41·3	32·6	37·0	- 7·8	3	0·16	4	- 9										
p Durham	336	47	10th	20	11th	41·3	26·0	33·7	- 9·9	2	0·12	3	- 11	Durham	4·2	+2·3	48	6	10	—	—	—	—
a North *p* Rounton	249	49	6th	15	11th	43·1	26·0	34·6	- 8·9	3	0·17	4	- 10	Rounton	—	—	—	7	11	42·1	—	—	—
a West Witton	605	46	12th	22	9th	41·1	27·6	34·4	—	1	0·01	0	—	West Witton	—	—	—	6	20	39·7	—	49·2	—
h Scarborough	118	47	12th	31	8th	43·3	34·3	38·8	- 6·9	5	1·14	29	+13	Scarborough †	3·6	+1·8	41	—	—	—	—	50·0	—
p York	56	44	6th	18	11th	41·0	28·3	34·7	- 9·9	1	0 07	2	- 11	York	4·1	+2·5	46	—	—	44 4	- 2·4	51·9	+1·4
t Spurn Head	26	46	11th	29	8th	43·4	34·4	38·9	- 7·2	4	0·19	5	- 7	Spurn Head	3·8	—	42	—	—	—	—	—	—
b, South *a* Lincoln	58	45	6, 10	25	11th	42·7	29·7	36·2	- 8·2	1	0·02	1	- 11	Lincoln	—	—	—	6	20	40·8	- 3·9	51·8	+1·2
t Cranwell	237	45	10th	24	11th	42·3	29·1	35.7	- 8·7	2	0·12	3	- 9	Cranwell	5·3	+3·2	59	6	12	—	—	—	—
														Skegness	4·1	+1·7	45	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	52	6th	30	7th	46·0	33·4	39·7	- 6·4	5	0·65	17	+ 4	Cromer	3·0	+0·6	33	—	—	—	—	—	—
a Little Massingham	277	49	6th	27	11th	41·1	31·9	36·5	- 7·3	4	0·54	14	- 2	Lit Massingham	3·7	+1·4	41	—	—	—	—	—	—
t Yarmouth	13	52	6th	32	8th	45·0	35·6	40 3	- 5·6	4	2·11	54	+40	Yarmouth	2·5	—	28	2	29	45·3	- 0·5	51·9	+0·4
a Norwich	93	44	6th	25	11th	41·7	30·9	36·3	- 8·6	5	0·80	20	+ 5	Norwich	3·2	—	35	5	19	39·4	—	—	—
a Geldeston	37	58	6th	27	10th	45·3	32·7	39·0	- 6·7	3	0·64	16	+ 2	Geldeston	3·3	+0·8	37	—	—	—	—	—	—
p Cambridge	41	53	6th	24	9, 10	43·3	28·1	35·7	- 9·2	1	0·01	0·2	- 11	Cambridge	4·3	+1·8	46	6	19	43·5	- 2·7	53·6	+2·1
t Clacton-on-Sea	54	53	6th	29	8th	43·6	36 0	39 8	- 6·2	2	0·06	1	- 10	Clacton-on-Sea	5·0	+2·3	55	4	25	44·0	- 4·7	53·6	+0·9
a Rothamsted	420	46	6th	21	10th	41·4	28·7	35·1	- 9·3	1	0·02	0·4	- 15	Rothamsted	5·2	+2·7	56	6	14	42·8	—	—	—
p Tottenham	51	55	6th	25	10th	43·1	31·0	37·1	—	1	0·25	6	—	Tottenham	3·6	—	39	—	—	—	—	55·2	+2·3
														Southend	5·2	—	56	5	27	44·6	- 3·6	—	—
4. MIDLAND COUNTIES.																							
a North *h* Harrogate	479	42	12th	24	11th	39 7	28 3	34·0	- 9·6	1	0·01	0·2	- 18	Harrogate	4·3	+2·4	49	6	17	42·0	- 3·2	48·1	+0·5
p Sheffield	429	53	6th	25	11th	43·0	31·1	37·1	—	0	0·00	0	—	Sheffield	4·2	+2·5	48	5	18	41·6	- 3·8	50·4	+0·6
p Buxton	987	50	6th	18	11th	40·9	26·9	33·9	- 8·2	0	0 00	0 1	- 29	Buxton	4·1	—	47	6	15	40·5	- 2 4	51·0	+2·1
a Worksop	56	48	6th	18	11th	43·6	26·4	35.0	- 9·6	1	0·01	0	- 13	Worksop	4·3	+2·6	49	6	13	42·0	—	49·9	—
t Nottingham	82	46	6th	21	11th	41 3	29·6	35·5	- 9·1	1	0·01	0·3	- 12	Nottingham	3 7	+2·1	40	6	19	37·8	- 6·3	49·5	+0·1
b, East *p* Birmingham, Edgbsn.	525	52	6th	26	9th	42·0	30·4	36·2	- 8·6	1	0 04	1	- 14	Birmingham	3·9	+2·4	43	7	14	41·7	- 3·7	51·6	+1·7
a Raunds	213	46	6, 10	21	9th	43·3	26·6	35·0	- 9·2	0	0·00	0·1	- 13	Raunds	4·9	—	54	6	16	44·1	—	—	—
p Oxford	208	54	6th	23	11th	44·3	28·9	36·6	- 8·8	0	0 00	0	- 15	Oxford	5·7	+3·5	62	6	17	—	—	—	—
														Malvern	5·9	—	64	6	20	44·5	—	52·9	—
a Cheadle (N. Staffs.)	646	45	12th	23	11th	41·1	28·9	35·0	- 8·6	1	0·03	1	- 17	Cheadle	—	—	—	6	12	—	—	—	—
e, West *p* Tenbury	313	54	6th	13	9, 11	44·1	20·9	32·5	-12·2	2	0·30	8	- 6	Tenbury	—	—	—	7	10	42·9	—	—	—
a Hereford	291	49	6th	17	9, 11	41·4	24·3	32·9	-12·0	1	0·10	3	- 12	Ross on Wye	6·2	—	67	6	12	41·5	—	52·6	—
a Clifton	225	48	6th	25	11th	42·0	30·6	36·3	-10·2	2	0·09	2	- 18	Clifton	5·0	—	54	6	24	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	50	6th	14	9th	42·0	23 6	32·8	-10 9	3	0·25	6	- 14	Worthing	6·9	+4·1	74	6	24	44·5	- 3·3	54·2	+1·1
a Porton	340	49	6th	15	9th	41·9	26·4	34·2	—	1	0 22	6	—	Marlborough	4·1	+2·2	45	6	14	45·5	—	53·7	—
a Wisley, Surrey	150	47	6th	19	11th	42·1	27·6	34·9	-10·0	0	0·00	0	- 15	Porton	—	—	—	6	10	44·6	—	—	—
h Tunbridge Wells	354	48	6th	26	9, 12	43·3	30·0	36·7	- 8·7	0	0 00	0	- 22	Wisley, Surrey	4·0	+1·8	43	6	6	42·8	- 3·5	52·6	+1·5
h Margate	51	48	6th	31	8th	44·4	36 3	40·4	- 6·7	1	0·11	3	- 13	Tunbridge Wells	5·5	+3·0	59	6	14	46·5	+1·1	53 9	—
														Margate	4·6	+2·4	50	1	27	45·6	- 2·0	55·6	+3·9
t Dungeness	21	54	6th	28	8th	44 0	34 6	39 3	- 7 9	1	0·12	3	- 16	Folkestone	6·0	—	65	7	19	—	—	56·7	—
h St. Leonards	178	49	6th	29	8th	43 0	34·0	38·5	- 8·8	0	0·00	0	- 21	St. Leonards	6·1	+3·4	66	6	24	44·2	—	55·3	—
p Southampton	64	57	6th	26	9th	45·4	31·4	38·4	- 8·5	1	0·15	4	- 17	Southampton	6·5	+4·1	70	6	16	—	—	—	—
a Ventnor	59	52	6th	30	8, 9	45·6	35·1	40·4	- 8 7	2	0 11	3	- 19	Ventnor	6·7	+3·9	72	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	49	6th	23	11th	41·9	30·7	36 3	- 9·2	0	0 00	0	- 15	Richmond	3·3	+1·3	36	6	17	41·9	- 4·3	53 4	+1 9
a Westminster	27	50	6th	29	9, 10	43.0	32·6	37·8	- 8·8	0	0 00	0	- 14	Westminster	3·1	+1·8	33	6	21	—	—	—	—
ag Greenwich	149	47	6th	26	10th	41·4	31·0	36 2	- 9·3	0	0 00	0	- 15	Greenwich	3·6	+1·7	40	6	15	—	—	—	—
a Hampstead	450	47	6th	27	8, 12	41·0	29·7	35·4	—	0	0 00	0	—	Hampstead	4·0	—	44	7	17	—	—	—	—
ag Camden Square	110	49	6th	24	11th	41 6	29 3	35·5	-10·4	0	0 00	0	- 15	Camden Square	—	—	—	6	20	44·0	—	53·1	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	46	10th	24	8, 9	41·0	28·6	34·8	- 9·3	0	0·01	0 3	- 24	Aspatria	5·9	+3·9	67	5	17	42·5	- 2·4	50·2	+0·9
p Newton Rigg	559	45	12th	20	9th	41·1	25·4	33·3	- 9·3	0	0·00	0	- 20	Newton Rigg	5·8	+4·1	66	6	14	—	—	—	—
p Stonyhurst	375	44	6th	25	9th	41·6	30 1	35·9	- 8·4	0	0·00	0	- 26	Stonyhurst	5·0	+3·4	57	5	18	—	—	—	—
h Blackpool	66	45	6, 12	25	9th	42 9	31·3	37 1	- 8·4	1	0·01	0	- 21	Blackpool	5·5	+3·6	62	6	22	46 6	—	53·0	—
h Southport	37	45	6, 10	26	9, 11	42·6	31·5	37·1	- 8 4	1	0·10	3	- 16	Southport	5·1	+3·3	57	6	16	40 4	- 3·7	50·5	+1 6
														Hoylake	—	—	—	—	—	—	—	—	—
t Liverpool (Bidston)	188	46	6th	29	11, 12	41·4	33 0	37·2	- 8·9	2	0·35	9	- 7	Liverpool	4·1	—	46	6	21	—	—	—	—
a Hawarden Bridge	22	46	6th	18	9th	41·7	27 3	34·5	-12·0	.3	0·61	15	+ 1	Manchester City	2·5	+1·8	28	6	24	42·3	- 2 9	53·3	+1·8
p Manchester (Whit. Pk.)	125	53	6th	25	9th	43 4	30 0	36·7	- 8·8	.0	0·00	0	- 16	„ Whit. Pk.	3·0	+2·1	33	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	49	10th	28	9th	46 0	33·6	39·8	- 7·9	2	0·87	22	+ 3	Llandudno	4·2	+2 1	47	—	—	—	—	—	—
t Holyhead	15	50	10th	32	12th	47 1	39·3	43·2	- 4 9	2	0·17	4	- 20	Holyhead	4·4	—	49	3	22	—	—	—	—
a Aberdovey	60	51	6th	32	9th	47·0	36·3	41·7	—	2	0·12	3	—	Aberdovey	5·2	+3·0	57	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*c*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.									
h Aberystwyth	16	50	6th	26	12th	45·4	33·3	39·4	—	2	0·11	3	—	Aberystwyth	5 1	+2·8	56	—	—	—	—	—
a Rhayader	757	42	6, 7, 10	13	11th	39·6	24·6	32·1	—	2	0·38	10	—	Rhayader ..	4·1	—	45	6	5	—	—	—
t Pembroke	149	50	9, 10	34	12th	47·6	40·6	44·1	- 4·8	4	0·11	3	- 23	Pembroke ..	6·0	+3·7	65	—	—	—	—	—
p Cardiff	202	55	6th	26	9th	44·3	31·0	37·7	- 7·8	1	0·06	2	- 26	Cardiff ..	5·2	—	57	6	19	45·8	- 0·4	54·2	+2·8
b, ENGLAND, S.W.																						
h Bath	66	50	6th	21	9th	42·1	28·4	35·3	-10·4	1	0·13	3	- 16	Bath	4·5	+2·3	49	—	—	46·8	- 1·5	54·5	+1·1
a Shaftesbury	722	48	6th	25	9th	41·3	30·0	35·7	- 9·4	1	0·06	2	- 20	Shaftesbury ..	—	—	—	—	—	44·4	—	54·2	—
a Arlington	613	49	7th	25	9th	44·0	33·0	38·5	- 7·3	2	0·11	3	- 35										
h Newquay	190	50	6, 7	28	9, 12	47·2	35·7	41·5	- 7·9	2	0·20	5	- 19	Newquay ..	5·4	+2·8	59	—	—	50·4	—	56·2	—
a Cullompton	202	52	7th	24	11th	46·6	29·7	38·2	- 7·7	4	0·10	3	- 21	Cullompton ..	5·2	+3·2	56	6	12	47·5	—	—	—
t Portland Bill	19	57	6th	32	12th	47·9	38·0	43·0	- 6·5	0	0·00	0	- 19	Weymouth ..	6·4	—	68	—	—	—	—	—	—
p Plymouth	116	58	6th	30	9th	49·1	35·1	42·1	- 6·3	1	0·06	2	- 22	Plymouth ..	5·1	+2·7	55	6	23	46·8	- 1·8	55·8	—
t Falmouth	167	53	7th	29	12th	49·6	37·3	43·5	- 5·6	3	0·18	5	- 27	Falmouth ..	4·8	+2·2	51	3	20	47·8	—	56·8	—
9. IRELAND, N.																						
t Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
t Blacksod Point ..	10	57	10th	30	8th	49·0	39·7	44·4	- 2·9	6	1·14	29	- 4										
a, West .. *a* Mallarany ..	120	52	9, 10	29	7th	48·7	37·3	43·0	—	7	0·97	25	—	Mallarany ..	2·7	—	30	3	23	—	—	—	—
p Markree Castle..	122	55	6th	26	8th	48·7	33·9	41·3	- 3·2	4	0·43	11	- 16	Markree Castle	3·1	+1·1	35	4	21	48·1	+1·3	53·3	+2·0
b, East .. *p* Armagh	204	54	6th	28	8th	46·4	34·1	40·3	- 4·2	3	0·07	2	- 16	Armagh ..	3·3	+1·3	38	3	19	46·4	+0·2	51·7	+1·4
t Donaghadee	35	52	10th	32	9th	46·4	37·6	42·0	- 4·1	2	0·63	16	- 3										
10. IRELAND, S.														Trinity Coll.	—	—	—	6	17	46·7	- 0·2	52·4	+1·9
p Dublin City	54	55	6th	30	9th	47·6	35·6	41·6	- 5·3	2	0·03	1	- 17	Phœnix Park	4·4	+2·1	50	5	22	—	—	—	—
														Dublin City ..	—	—	—	5	25	—	—	—	—
t Birr Castle	175	50	10th	26	8th	46·7	34·3	40·5	- 4·0	2	0·12	3	- 18	Birr Castle ..	4·2	+2·0	46	3	16	—	—	—	—
a Kilkenny	195	54	10th	21	9th	47·3	33·3	40·3	- 4·8	1	0·08	2	- 19										
a Waterford	137	53	9th	27	8th	50·0	36·0	43·0	- 3·6	3	0·22	6	- 20										
p Seskin, Carrick-on-Suir	542	53	6th	28	8th	46·4	34·7	40·6	—	3	0·53	14	—	Seskin ..	3·9	—	43	3	21	—	—	—	—
a Foynes	50	54	10th	31	8th	49·4	38·3	43·9	- 2·7	5	0·41	10	- 17										
t Cahirciveen (Val. Obs.)	30	56	10th	28	8th	51·6	42·6	47·1	- 1·7	6	2·13	54	+16	Cahirciveen ..	2·0	- 0·2	22	1	26	—	—	—	—
a Killarney	174	56	10th	26	8th	52·0	38·7	45·4	- 1·8	6	0·63	16	- 22	Ballinacurra	2·9	+0·8	31	—	—	—	—	—	—
t Roche's Point	32	52	9, 10	32	9th	49·6	41·4	45·5	- 2·9	5	0·44	11	- 18										
11 ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	58	6th	37	12th	52·6	44·7	48·7	- 1·5	0	0·00	0	- 24	Scilly ..	5·0	+2 3	53	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	58	6th	30	12th	47·6	39·1	43·4	- 7·0	2	0·24	6	- 24	St. Heliers ..	5·8	+3·1	62	—	—	—	—	—	—
p Guernsey† ..	173	59	6th	31	12th	49·1	39·7	44·4	- 6·0	5	0·23	6	- 25	Guernsey ..	5·6	+3·1	60	2	28	49·1	- 1·7	57 2	+2·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, November 12th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed	Date. d.	h.	m.
0 SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s.			
**Deerness (Cup Anr.) ..	188	16	5	—	0	5 to 8, 10, 11	52	75	34	7	0	290	17	5	4	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	89	78	0	320	6	6	17	16	6	22	45
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	36	98	34	0	310	9	8	2	—	—	—	—
Edinburgh	485	39	31	—	0	10	2	47	70	49	0	180	15	10	21	22	10	21	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	43	48	72	5	350	10	8	10	16	8	5	45
Paisley	188	81	15	—	0	—	0	17	86	56	9	190	8	10	23	19	10	23	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	48	101	19	0	350	10	6	12	20	6	14	50
South Shields	72	61	12	—	0	6	3	64	93	8	0	50	13	6	5	19	6	6	0
Spurn Head	67	41	‡	6	5	6 to 8	49	34	73	7	0	340	24	6	7	33	6	6	0
3. ENGLAND, E.																			
Gorleston	52	42	‡	6	1	6, 8, 11	13	93	52	9	0	340	21	6	10	35	6	9	40
Shoeburyness	103	90	‡	—	0	6, 11	9	66	73	20	0	280 } 300 }	17	6	8 } 9 }	27	6	8	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	6	4	19	69	76	0	290	13	6	5	24	6	4	55
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	6	10	52	102	4	0	—	13	6	5	25	6	5	50
Larkhill, S'y Plain ..	513	63	43	—	0	6, 8	16	77	68	7	0	290	17	6	6	22	6	4	40
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	21	85	62	0	310	10	6	9	22	6	8	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	6	2	6, 8	7	71	75	13	0	350	18	6	4	—	—	—	—
Southport	80	62	48	—	0	6	6	57	87	18	0	300	17	6	3	25	6	3	0
Holyhead	60	40	‡	6	10	6 to 8	32	83	42	1	0	300	20	6	6	27	6	5	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	6	2	6 to 11	64	45	27	7	23	260	19	6	1	27	6	2	15
Plymouth	185	88	2	—	0	6	5	62	66	35	0	—	11	6	3	21	6	5	35
Lyme Regis	556	61	‡	—	0	6	3	41	109	15	0	—	13	6	4	17	6	3	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	6, 8, 10, 11	27	101	34	6	0	290	15	6	1	—	—	—	—
Quilty	100	40	‡	—	0	6, 9, to 11	39	77	52	0	0	—	16	6	6	24	6	5	55
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	6, 9 to 12	40	59	47	22	0	150	15	9	20	26	9	20	35
Weaver Pt.	160	30	‡	10	1	6, 9 to 12	62	60	44	1	0	—	17	10	4	23	10	4	35
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	6	2	6, 8 to 11	43	67	50	6	0	290	20	6	4	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIFTH WEEK of 1921—November 6th to November 12th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Means of: Daily Max.	Means of: Daily Min.	Means of: Daily Mean	Means of: Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Accumulated Number of Day-Degrees: Below 42°	Accumulated Number of Day-Degrees: Deviation from Normal	Rainfall. Number of Days of Precipitation	Rainfall. Deviation from Normal	Rainfall. Total Fall	Rainfall. Deviation from Normal	Sunshine. Daily Mean	Sunshine. Deviation from Normal	Sunshine. Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	52	23	79·4	73·6	76·5	− 2.8	4	− 19	30	+17	4	− 1	0·48	12	− 21	2·5	+1·1	30	1020
Eastern.																			
1. SCOTLAND, EAST ..	52	17	78·5	72·2	75·3	− 3·7	0	− 23	41	+24	2	− 3	0·20	5	− 15	3·8	+1·9	45	1022
2. ENGLAND, N.E. ..	49	15	78·7	71·9	75·3	− 4·8	1	− 28	41	+31	3	− 1	0·25	6	− 8	4·4	+2·4	50	1023
3. ENGLAND, EAST ..	58	21	79·3	73·0	76·2	− 4·2	4	− 30	34	+24	3	− 1	0·56	14	+ 1	3·8	+1·3	42	1021
4. MIDLAND COUNTIES	54	13	78·7	70·5	74·6	− 5·3	1	− 30	51	+38	1	− 3	0·06	2	− 15	4·7	+2·8	52	1024
5. ENGLAND, S.E. ..	57	14	79·3	72·4	75·9	− 5·0	4	− 37	38	+31	1	− 3	0·10	3	− 18	5·4	+3·0	58	1022
Western.																			
6. SCOTLAND, WEST ..	53	20	80·0	73·1	76·6	− 3·5	7	− 22	32	+23	1	− 4	0·07	2	− 32	—	—	—	1024
7. ENGLAND, N.W. ..	53	18	79·1	72·4	75·7	− 4·9	3	− 30	38	+31	1	− 4	0·23	6	− 17	5·2	+3·5	59	1024
8. ENGLAND, S.W. ..	58	13	80·3	73·4	76·9	− 4·5	9	− 34	30	+25	2	− 3	0·12	3	− 25	5·1	+2·8	55	1024
9. IRELAND, NORTH ..	57	26	81·6	75·2	78·4	− 2·0	15	− 17	17	+ 8	3	− 2	0·48	12	− 13	3·2	+1·2	36	1022
10. IRELAND, SOUTH ..	56	21	82·6	76·1	79·3	− 1·9	22	− 20	13	+ 6	4	− 1	0·51	13	− 14	3·4	+1·2	37	1023
11. ENGLISH CHANNEL..	59	30	82·9	78·1	80·5	− 3·0	27	− 36	2	+ 2	2	− 3	0·15	4	− 24	5·5	+2·8	58	1024
MEAN: DISTRICTS 1-10	58	13	79·8	73·0	76·4	− 4·0	7	− 27	34	+24	2	− 3	0·26	7	− 16	4·3	+2·2	48	1023

THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, August 28th to November 12th, 1921.

0. SCOTLAND, NORTH ..	74	23	85·6	79·6	82·5	+ 0·3	584	+ 17	40	− 11	52	− 1	11·91	302	+ 4	2·2	− 0·6	20	1014
Eastern																			
1. SCOTLAND, EAST ..	81	17	86·5	79·3	82·8	+ 0·5	643	+ 41	52	− 14	40	− 5	5·90	151	− 37	3·6	+ 0·3	32	1016
2. ENGLAND, N.E. ..	80	15	88·9	81·0	84·8	+ 1·3	910	+187	42	+12	26	−14	5·00	128	− 24	4·8	+ 1·2	42	1019
3. ENGLAND, EAST ..	85	21	90·2	81·6	85·8	+ 1·6	1033	+207	36	+ 5	27	−12	4·29	109	− 38	4·9	+ 0·8	43	1020
4. MIDLAND COUNTIES	84	13	89·9	80·2	84·9	+ 1·3	937	+185	56	+ 8	25	−14	4·96	127	− 35	4·8	+ 1·3	42	1020
5. ENGLAND, S.E. ..	85	14	91·0	81·8	86·2	+ 1·3	1104	+203	41	+19	21	−18	3·31	85	−102	5·5	+ 1·3	48	1021
Western.																			
6. SCOTLAND, WEST ..	76	20	87·4	80·8	84·0	+ 0·9	780	+107	32	− 4	41	− 3	9·63	246	− 39	—	—	—	1018
7. ENGLAND, N.W. ..	81	18	88·7	81·7	85·1	+ 1·3	941	+185	38	+17	30	−14	7·13	182	− 39	4·5	+ 1·1	39	1020
8. ENGLAND, S.W. ..	82	13	90·1	82·3	86·1	+ 1·5	1076	+220	30	+14	25	−20	4·88	125	−123	4·7	+ 0·8	41	1021
9. IRELAND, NORTH ..	73	26	88·0	81·6	84·7	+ 1·3	868	+159	17	−10	45	− 4	8·61	220	− 4	3·0	− 0·2	26	1018
10. IRELAND, SOUTH ..	75	21	89·0	82·4	85·6	+ 1·4	991	+182	13	− 9	44	− 1	6·74	171	− 55	3·4	− 0·3	30	1019
11. ENGLISH CHANNEL..	80	30	91·3	85·2	88·1	+ 1·7	1329	+244	2	+ 2	26	−20	2·57	67	−152	5·8	+ 1·0	51	1021
MEAN: DISTRICTS 1-10..	85	13	89·0	81·3	85·0	+ 1·2	928	+168	36	+ 4	32	−11	6·05	154	− 50	4·4	+ 0·7	38	1019

THE YEAR. Aggregates, &c., for the Period of 45 Weeks, January 2nd to November 12th, 1921.

0. SCOTLAND, NORTH ..	81	16	85·0	78·5	81·6	+ 0·5	2170	+140	388	−202	200	− 9	44·03	1120	+62	3·3	− 0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	86·0	78·2	81·9	+ 0·6	2413	+160	503	−180	163	−15	22·71	576	− 92	4·5	+ 0·5	34	1015
2. ENGLAND, N.E. ..	92	15	87·7	79·8	83·6	+ 1·4	3193	+597	292	−210	128	−32	15·65	402	−137	4·9	+ 0·5	38	1017
3. ENGLAND, EAST ..	91	21	88·9	80.2	84·4	+ 1·5	3648	+664	263	−262	105	−50	11·72	299	−213	5·5	+ 0·7	42	1018
4. MIDLAND COUNTIES	93	13	88·9	79·6	84·1	+ 1·5	3480	+600	309	−261	118	−36	15·61	399	−175	5·0	+ 0·8	38	1018
5. ENGLAND, S.E. ..	91	14	89·3	80·9	84·8	+ 1·4	3809	+620	211	−190	105	−46	11·40	292	−287	5·7	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·5	79·6	82·9	+ 0·8	2843	+359	272	−180	182	− 3	39·91	1014	+30	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	87·4	80·5	83·8	+ 1·2	3229	+515	199	−204	147	−23	25·09	640	−108	4·9	+ 0·6	38	1018
8. ENGLAND, S.W. ..	89	13	88·6	80·9	84·6	+ 1·3	3630	+617	161	−156	128	−42	19·01	485	−325	5·3	+ 0·6	42	1019
9. IRELAND, NORTH ..	86	23	87·1	80·3	83·6	+ 1·1	3053	+467	165	−202	184	−19	28·63	726	− 86	3·8	− 0·1	30	1016
10. IRELAND, SOUTH ..	90	21	88·2	81·0	84·4	+ 1·1	3513	+531	130	−152	175	− 6	27·29	696	−147	4·4	+ 0·1	34	1018
11. ENGLISH CHANNEL..	87	30	89·0	83·1	86·2	+ 1·6	4212	+668	29	− 76	127	−48	13·21	337	−337	6·2	+ 0·5	48	1020
MEAN: DISTRICTS 1-10 ..	93	8	87·9	80·1	83·8	+ 1·2	3281	+513	251	−200	144	−27	21·70	553	−154	4·9	+ 0·5	38	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
18th November, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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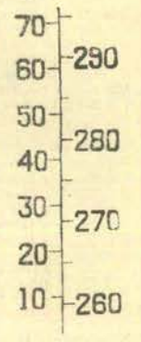
FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) | No. 46. | FORTY-SIXTH WEEK. SUNDAY, NOVEMBER 13TH, TO SATURDAY, NOVEMBER 19TH, 1921. | *Price 6d. Net, Post free 7d.* *Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.*

METEOROLOGICAL OFFICE 26 NOV 1921 LIBRARY

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was dull and unsettled, with rain at times, especially in the south of Ireland and the south-western parts of England, where individual amounts of 20mm. and more were recorded at a number of stations. The total amount of rainfall for the week was, however, below the normal in most districts, the greatest deficit being in Scotland N. and England E.; in fact at a few stations in the latter district the week was rainless. Among the largest measurements were 35mm. at Seskin (Carrick-on-Suir) on the 15th, 31mm. at Waterford on the 16th, 30mm. at Blacksod Point on the 13th, and 26mm. at Falmouth on the 16th. Strong winds frequently reaching gale force were general at the mouth of the Channel for the first half of the week. The highest of the maximum temperatures occurred mostly on the 16th when readings of 286a or slightly above were registered at a number of stations. Cold nights were experienced during the early part of the week when screen minima of 269a and less were of common occurrence. The actual lowest readings were 261a at Rhayader (Radnor) and 264a at Porton (Salisbury Plain), Marlborough, Hereford and Tenbury on the 13th; on the grass a temperature as low as 259a was registered at Rhayader on the same date. Fog or mist was reported at several places. The mean temperature for the week was below the normal in most districts. The mean amount of bright sunshine was below the normal at practically all stations. The largest deficit was 2.3 hours at Dublin (Phoenix Park). The largest amounts were recorded during the early part of the week, but mostly on the 13th, when records of between 5 and 7 hours were registered at a number of stations. Solar halos were observed at Ross-on-Wye on the 13th and 17th, and at Oxford on the 14th and 17th. Lunar halos were seen at Aberdeen and Ross-on-Wye on the 13th, at Oxford on the 14th, and at Clacton and Aberdovey on the 15th. The observations at Oxford on the 14th include:—Parhelion at 13h. 15m.; Halo at 15h. 15m.; Sun Pillar at 15h. 40m.; Lunar Halo and Corona with Paraselenae and portion of 46° Halo, 20h. 15m. to 20h. 30m.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	28	8·8	15	3·2	23	5·6	10	2·2	15	6·6	10	7·1	16	6·0	9	5·7
North	0	—	1	0·5	2	1·1	8	2·1	8	1·2	17	4·6	5	1·9	12	2·6
West	3	1·8	1	0·5	5	2·9	1	0·5	0	—	7	8·3	11	3·3	4	3·3
East	22	5·0	14	2·6	22	5·0	24	3·1	22	3·5	15	5·6	12	4·3	17	3·3
Calm	0	—	11	—	1	—	3	—	4	—	1	—	2	—	5	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ..	Very Light	Moderate	Moderate	Light	Moderate	Light	Moderate	Light	Moderate	Moderate	Moderate	Heavy
	Sunshine ..	Scanty	Very Scanty	Scanty	Scanty	Scanty	Scanty	—	Scanty	Scanty	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *12* weeks from August 28th, 1921.	Warmth ..	5, 4, 3	6, 3, 3	7, 4, 1	5, 6, 1	6, 4, 2	6, 4, 2	7, 2, 3	8, 1, 3	7, 3, 2	8, 1, 3	7, 2, 3	9, 1, 2
	Rainfall ..	3, 5, 4	3, 3, 6	4, 2, 6	2, 3, 7	2, 4, 6	2, 1, 9	2, 5, 5	3, 2, 7	1, 2, 9	2, 6, 4	1, 6, 5	1, 1, 10
	Sunshine ..	3, 1, 8	5, 4, 3	6, 4, 2	5, 4, 3	6, 5, 1	7, 1, 4	—	6, 4, 2	6, 1, 5	3, 4, 5	4, 2, 6	5, 5, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	48	141516	40	13th	46·7	43·3	45·0	+2·7	6	0·40	10	- 13										
p Deerness, Orkney	165	50	16th	41	13th	48·0	43·9	46·0	+3·5	4	0·82	21	0	Deerness	0·0	- 1·2	0	—	—	—	—	—	—
a, Islands *t* Stornoway	51	50	16th	42	19th	48·6	45·1	46·9	+4·4	4	0·28	7	- 24	Stornoway	1·0	- 0·4	13	—	—	—	—	—	—
t Castlebay, Barra I.	37	50	13, 14	45	15, 19	49·0	46·6	47·8	—	5	0·72	18	—	Castlebay	1·0	—	12	—	—	—	—	—	—
			17, 18																				
t Wick	81	49	16th	34	13th	46·6	42·1	44·4	+2·7	3	0·18	5	- 12										
a Strathpeffer	125	48	16th	29	13th	45·1	34·6	39·9	- 1·3	2	0·25	6	- 10										
b, Main- *p* Glencarron	500	48	131617	31	13th	46·7	37·9	42·3	+1·6	4	0·19	5	- 45										
land. *a* Fort Augustus	68	51	13, 15	30	13th	49·6	37·6	43·6	+2·1	4	0·17	4	- 20										
p Fort William	171	50	17th	39	18th	47·7	41·3	44·5	+2·1	5	0·53	13	- 29										
1. SCOTLAND, E.																							
t Nairn	82	50	16th	30	13th	46·4	36·7	41·6	+1·1	2	0·05	1	- 13	Nairn	0·9	—	12	—	—	—	—	—	—
p Gordon Castle	101	49	14, 16	30	13th	46·7	38·6	42·7	+1·2	3	0·14	4	- 12	Gordon Castle	0·8	—	10	—	—	—	—	—	—
t Aberdeen	46	49	16th	28	13th	46·9	42·3	44·5	+3·1	4	0·35	9	- 8	Aberdeen	0·5	- 1·4	6	1	19	—	—	46·5	+0·3
a Balmoral	930	44	16th	22	13th	41·1	34·0	37·6	- 0·1	5	0·89	23	+ 2	Balmoral	—	—	—	1	18	—	—	—	—
p Crieff	432	45	17th	30	13th	43·0	36·4	39·7	- 1·0	6	1·91	49	+24	Crathes	0·4	- 1·4	5	1	25	40·9	—	45·8	—
a Dundee	244	53	13th	25	13th	46·1	36·0	41·1	+0·5	6	1·40	36	+22	Dundee	0·5	—	6	3	19	40·3	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	48	16, 18	37	14th	45·6	40·6	43·1	—	6	0·41	10	—	(F. of Forth)	—	—	—	1	27	—	—	—	—
p Edinburgh	441	46	16, 17	34	15th	44·1	38·4	41·3	- 0·2	5	0·17	4	- 8	Edinburgh	0·1	- 1·9	2	1	29	—	—	—	—
a West Linton	769	44	16, 17	32	15th	42·0	36·7	39·4	+2·2	6	0·37	9	—	West Linton	—	—	—	4	26	—	—	—	—
a Marchmont	498	45	16th	29	13th	42·9	35·3	39·1	- 1·1	4	0·85	22	+ 5	Marchmont	0·8	- 0·9	9	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	47	18, 16-18	36	131516	46·0	38·8	42·4	—	5	1·77	45	—	Ford (Argyll)	—	—	—	1	30	44·6	—	49·8	—
t Renfrew	49	47	17th	27	13th	45·1	38·1	41·6	—	4	1·48	38	—	Renfrew	0·0	—	0	2	17	—	—	—	—
b Rothesay	200	48	14th	34	15th	46·3	40·7	43·5	+0·7	3	1·25	32	+ 7	Rothesay	0·2	—	2	1	30	42·9	—	48·0	+0·7
a Kilmarnock	90	48	17, 18	33	15th	46·3	38·7	42·5	+1·7	3	0·59	15	- 4	Kilmarnock	0·5	—	6	—	—	42·4	—	48·8	—
a Colmonell	170	48	13, 14	34	13, 15	45·9	37·1	41·5	- 1·0	5	1·62	41	+17	Colmonell	—	—	—	1	30	—	—	—	—
p Dumfries	160	47	17th	31	15th	44·3	37·3	40·8	- 0·7	5	0·74	19	+ 2	Dumfries	0·2	—	2	2	22	41·4	- 0·1	47·4	+0·4
t Eskdalemuir	794	44	16th	27	13th	41·6	34·9	38·3	—	6	0·83	21	—	Eskdalemuir	0·6	—	8	2	22	—	—	—	—
b, I. OF MAN *h* Douglas	284	50	16th	39	15th	47·1	42·9	45·0	+0·8	3	1·34	34	+11	Douglas	0·3	- 2·0	3	0	38	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	49	16th	22	13th	45·0	35·0	40·0	- 2·0	5	0·92	23	+ 4	Cockle Park	1·0	- 1·2	12	—	—	39·2	- 0·7	44·2	- 1·0
t Tynemouth	118	49	16th	29	13th	45·0	39·3	42·2	- 0·6	5	0·89	23	+10										
p Durham	336	47	15, 16	21	13th	44·6	35·1	39·9	- 1·6	4	0·67	17	+ 3	Durham	1·5	- 0·4	18	3	15	—	—	—	—
a North *p* Rounton	249	47	16th	24	13th	44·3	36·1	40·2	- 1·2	5	0·43	11	- 3	Rounton	—	—	—	3	15	41·6	—	—	—
a West Witton	605	44	16th	23	13th	41·9	33·7	37·8	—	4	0·73	19	—	West Witton	—	—	—	4	19	37·9	—	46·5	—
h Scarborough	118	49	16th	36	14th	46·1	40·4	43·3	- 0·3	2	0·19	5	- 10	Scarborough †	0·8	- 0·9	10	—	—	—	—	47·0	—
p York	56	48	16th	29	13th	44·7	38·0	41·4	- 1·1	4	0·21	5	- 8	York	0·9	- 0·6	10	—	—	42·8	- 2·0	49·0	- 0·2
t Spurn Head	26	48	16th	38	14th	45·7	41·7	43·7	- 0·3	3	0·34	9	- 3	Spurn Head	0·7	—	8	—	—	—	—	—	—
b, South *a* Lincoln	58	48	16th	32	15th	45·0	37·3	41·2	- 1·0	3	0·28	7	- 5	Lincoln	—	—	—	2	26	40·7	- 1·8	48·8	- 0·2
t Cranwell	237	47	16th	27	15th	43·9	35·3	39·6	- 2·7	4	0·28	7	- 5	Cranwell	0·7	- 1·2	8	2	22	—	—	—	—
														Skegness	1·2	- 1·1	13	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	51	15th	33	14th	47·1	38·3	42·7	- 1·2	0	0·00	0	- 14	Cromer	2·0	- 0·1	23	—	—	—	—	—	—
a Little Massingham	277	48	15, 16	31	15th	44·7	36·7	40·7	- 0·9	1	0·01	0·2	- 17	Lit Massingham	1·1	- 0·8	13	—	—	—	—	—	—
t Yarmouth	13	49	15th	35	13, 14	45·9	40·4	43·2	- 0·5	0	0·00	0	- 15	Yarmouth	1·3	—	15	0	33	44·0	+0·4	48·7	- 1·1
a Norwich	93	49	16th	29	15th	45·4	36·0	40·7	- 2·0	1	0·01	0	- 17	Norwich	1·2	—	14	4	23	38·6	—	—	—
a Geldeston	37	50	15, 16	28	15th	46·6	34·9	40·8	- 2·6	0	0·00	0	- 15	Geldeston	1·3	- 1·0	15	—	—	—	—	—	—
p Cambridge	41	50	14th	27	15th	46·7	36·1	41·4	- 1·3	1	0·10	3	- 9	Cambridge	0·9	- 1·3	10	3	20	42·0	- 2·0	50·3	+0·3
t Clacton-on-Sea	54	48	15th	30	13th	45·3	40·4	42·9	- 0·8	0	0·00	0	- 12	Clacton-on-Sea	1·8	- 0·6	20	1	28	43·7	- 3·0	50·5	- 0·6
a Rothamsted	420	47	16th	26	13th	43·4	43·0	38·7	- 3·6	1	0·29	7	- 10	Rothamsted	1·2	- 1·1	13	3	20	41·2	—	—	—
p Tottenham	51	49	16th	27	13th	44·6	36·0	40·3	—	1	0·27	7	—	Tottenham	0·0	—	0	—	—	—	—	52·0	+0·7
														Southend	1·3	—	14	1	24	42·9	- 2·7	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	45	16th	29	13th	42·1	35·6	38·9	- 2·4	5	0·63	16	+ 2	Harrogate	0·8	- 1·2	9	2	22	41·2	+2·2	44·9	- 1·4
a North *p* Sheffield	429	46	16th	30	15th	43·7	37·7	40·7	—	3	0·46	12	—	Sheffield	0·7	- 1·1	8	1	24	41·2	- 2·4	47·5	- 1·2
p Buxton	987													Buxton									
a Worksop	56	47	16th	24	15th	44·6	34·9	39,8	- 2·4	3	0·32	8	- 2	Worksop	0·5	- 1·2	6	3	19	41·3	—	46·7	—
t Nottingham	82	47	16th	29	15th	44·0	37·0	40·5	- 1·7	3	0·32	8	- 1	Nottingham	0·3	- 1·2	4	3	27	39·8	- 2·0	45·7	- 2·0
b, East *p* Birmingham, Edgbsn.	525	47	16th	30	13th	43·4	36·7	40·1	- 2·3	3	0·32	8	- 4	Birmingham	0·8	- 0·6	9	2	17	41·8	- 2·0	49·8	+0·7
a Raunds	213	47	16, 17	27	13, 15	44·6	33·9	39·3	- 2·2	2	0·17	4	- 6	Raunds	0·8	—	9	3	24	42·3	—	—	—
p Oxford	208	49	16th	21	13th	44·7	35·0	39·9	- 3·0	5	0·27	7	- 4	Oxford	0·8	- 1·4	9	4	16	—	—	—	—
														Malvern	0·8	—	10	1	20	42·1	—	49·3	—
a Cheadle (N. Staffs.)	646	45	16th	28	13th	42·1	34·9	38·5	- 2·7	4	0·70	18	+ 3	Cheadle	—	—	—	4	18	—	—	—	—
c, West *p* Tenbury	313	50	16th	15	13th	44·6	33·7	39·2	- 3·2	4	0·58	15	+ 4	Tenbury	—	—	—	1	13	41·0	—	—	—
a Hereford	291	49	16th	16	13th	44·7	31·1	37·9	- 4·6	3	0·20	5	- 7	Ross on Wye	0·7	—	8	1	14	40·6	—	49·0	—
a Clifton	225	52	16, 17	25	13th	47·3	34·0	40·7	- 3·4	3	0·33	8	- 8	Clifton	0·4	—	4	2	26	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	49	16th	16	13th	45·7	32·0	38·9	- 3·1	5	0·42	11	- 5	Worthing	2·0	- 0·9	22	2	22	43·2	- 2·0	51·2	- 0·4
a Porton	340	49	15, 16	15	13th	45·9	32·0	39·0	—	3	0·53	13	—	Marlborough	0·4	- 1·5	5	4	16	42·9	—	51·2	—
a Wisley, Surrey	150	50	16th	22	13th	46·1	34·0	40·1	- 3·1	3	0·43	11	0	Porton	—	—	—	2	11	41·9	—	—	—
h Tunbridge Wells	354	49	16th	24	13th	45·7	35·9	40·8	- 2·8	1	0·12	3	- 15	Wisley, Surrey	0·8	- 1·3	9	4	11	41·2	- 3·0	49·3	- 0·4
h Margate	51	48	16th	34	13th	45·0	38·6	41·8	- 3·5	0	0·00	0	- 12	Tunbridge Wells	1·6	- 0·9	18	3	14	44·7	+1·5	50·9	—
														Margate	1·2	- 0·9	14	1	30	44·0	- 1·9	51·9	+1·8
t Dungeness	21	50	16th	29	13th	46·6	39·7	43·2	- 2·3	1	0·04	1	- 13	Folkestone	2·1	—	24	6	20	—	—	54·3	—
h St. Leonards	178	49	16th	33	13th	45·6	39·3	42·5	- 3·1	2	0·11	3	- 13	St. Leonards	2·0	- 0·7	22	1	26	43·6	—	52·2	—
p Southampton	64	54	15th	24	13th	48·9	37·6	43·3	- 1·9	2	0·68	17	+ 1	Southampton	0·6	- 1·8	6	1	13	—	—	—	—
a Ventnor	59	53	15th	33	13th	50·1	41·1	45·6	- 1·8	4	0·57	15	- 2	Ventnor	0·8	- 2·0	9	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	51	16th	24	13, 14	45·6	34·7	40·2	- 3·6	1	0·35	9	- 2	Richmond	0·7	- 1·1	8	3	16	39·0	- 5·0	50·4	+0·2
a Westminster	27	51	16th	26	13th	46·3	36·3	41·3	- 3·5	2	0·35	9	- 2	Westminster	0·3	- 0·8	3	3	20	—	—	—	—
ag Greenwich	149	50	16th	25	13th	45·3	34·7	40·0	- 3·8	1	0·28	7	- 5	Greenwich	0·9	- 1·0	10	4	17	—	—	—	—
a Hampstead	450	50	15th	26	13th	44·3	35·1	39·7	—	1	0·37	9	—	Hampstead	0·6	—	7	4	16	—	—	—	—
ag Camden Square	110	50	16th	25	13th	45·6	34·3	40·0	- 4·1	1	0·35	9	- 3	Camden Square	—	—	—	4	21	—	—	49·8	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	16th	30	15th	44·4	37·4	40·9	- 0·8	4	0·26	7	- 14	Aspatria	0·7	- 1·5	8	2	24	42·4	- 0·7	47·9	- 0·5
p Newton Rigg	559	45	13, 17	24	13th	43·3	34·1	38·7	- 1·3	6	0·31	8	- 8	Newton Rigg	0·9	- 1·0	10	3	16	—	—	—	—
p Stonyhurst	375	46	16th	25	13th	43·4	35·0	39·2	- 2·7	6	0·36	9	- 14	Stonyhurst	0·3	- 1·4	4	3	21	—	—	—	—
h Blackpool	66	48	16th	27	13th	45·7	37·1	41·4	- 1·7	5	0·60	15	- 2	Blackpool	0·8	- 1·2	10	2	17	44·3	—	50·8	—
h Southport	37	47	16, 18	27	13th	44·2	36·6	40·4	- 2·6	3	0·44	11	- 5	Southport	0·6	- 1·4	7	3	18	40·0	- 1·8	46·8	- 0·6
														Hoylake	1·0	- 1·2	11	—	—	—	—	—	—
t Liverpool (Bidston)	188	48	17th	28	13th	45·1	35·4	40·3	- 3·4	4	0·31	8	- 5	Liverpool	1·0	—	12	3	24	—	—	—	—
a Hawarden Bridge	22	53	14th	25	13th	47·0	35·6	41·3	- 2·8	4	0·38	10	- 1	Manchester City	0·0	- 0·6	0	1	27	40·1	- 2·8	49·6	- 0·4
p Manchester (Whit. Pk.)	125	48	16, 17	26	13th	45·4	38·0	41·7	- 1·2	4	0·28	7	- 6	„ Whit. Pk.	0·3	- 0·4	4	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	53	16th	35	15, 19	48·0	38·6	43·3	- 2·1	3	0·33	8	- 7	Llandudno	1·4	- 0·9	17	—	—	—	—	—	—
t Holyhead	15	53	16th	37	15th	48·9	40·9	44·9	- 1·0	4	0·72	18	- 3	Holyhead	0·1	—	2	0	31	—	—	—	—
a Aberdovey	60	54	16th	33	13th	49·4	40·3	44·9	—	2	0·27	7	—	Aberdovey	0·8	- 1·7	10	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Lowest Reading	Earth 1 ft. Mean	Deviation from average	Earth 4 ft. Mean	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.*
8. *a*, SOUTH WALES.																						
h Aberystwyth	16	56	16th	30	13th	49·7	39·6	44·7	—	5	0·18	5	—	Aberystwyth	1·5	- 0·9	18	—	—	—	—	—	—
a Rhayader	757	47	15, 16	11	13th	44·3	30·9	37·6	—	6	0·86	22	—	Rhayader ..	0·0	—	0	3	6	—	—	—	—
t Pembroke	149	57	16th	36	13th	50·7	43·3	47·0	0·0	4	1·19	30	+10	Pembroke ..	1·1	- 1·4	12	—	—	—	—	—	—
p Cardiff	202	56	16th	26	13th	47·3	36·3	41·8	- 1·4	3	0·76	19	- 2	Cardiff ..	0·6	—	7	1	20	43·3	- 0·7	51·3	+1·2
b, ENGLAND, S.W.																						
h Bath	66	54	16th	19	13th	46·6	37·9	42·3	- 1·1	4	0·35	9	- 5	Bath	0·3	- 2·1	4	—	—	—	—	—	—
a Shaftesbury	722	51	16th	29	13th	44·7	34·9	39·8	- 3·0	6	0·89	23	+ 6	Shaftesbury ..	—	—	—	—	—	43·3	—	49·5	—
a Arlington	613	54	16th	26	13th	48·1	38·1	43·1	- 0·6	4	0·76	19	- 10										
h Newquay	190	56	15, 16	32	13th	50·8	41·4	46·1	- 1·4	4	1·58	40	+21	Newquay ..	1·2	- 1·7	13	—	—	48·0	—	54·1	—
a Cullompton	202	56	16th	19	13th	48·7	35·6	42·2	- 1·6	4	1·14	29	+12	Cullompton ..	0·4	- 1·8	5	2	11	44·7	—	—	—
t Portland Bill	19	56	15, 17	33	13th	52·9	43·6	48·3	+0·8	4	0·57	14	+ 1	Weymouth ..	0·6	—	7	—	—	—	—	—	—
p Plymouth	116	57	16th	28	13th	51·7	42·6	47·2	+0·8	4	1·90	48	+29	Plymouth ..	1·2	- 1·4	14	1	21	46·2	- 0·5	53·4	—
t Falmouth	167	58	16th	34	13th	52·0	42·9	47·5	+0·2	5	2·79	71	+46	Falmouth ..	0·9	- 1·9	10	1	27	48·0	—	54·0	—
9. IRELAND, N.																						
t Malin Head	208	52	17th	39	13, 15	48·7	41·7	45·2	+0·6	4	0·67	17	- 1	Malin Head ..	0·7	—	9	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	55	16th	36	13, 15	50·6	39·0	44·8	—	3	0·70	18	—	Mallarany ..	2·6	—	30	2	27	—	—	—	—
p Markree Castle.. ..	122	52	14, 16, 17	28	15th	49·6	33·1	41·4	- 1·1	3	0·78	20	- 4	Markree Castle	2·2	+0·1	26	4	24	47·0	+1·7	51·9	+1·7
p Armagh	204	50	15, 16	35	19th	47·4	39·0	43·2	+0·6	5	0·62	16	0	Armagh ..	0·4	- 1·9	5	1	28	45·7	+1·4	49·8	+0·7
b, East .. *t* Donaghadee	35	53	16th	38	13th	49·3	44·3	46·8	+2·6	4	1·15	29	+12										
														Trinity Coll.	—	—	—	4	20	45·9	+0·7	50·1	+0·9
														Phœnix Park	0·4	- 2·3	5	1	27	—	—	—	—
10. IRELAND, S.														Dublin City ..	—	—	—	0	35	—	—	—	—
p Dublin City	54	51	13-16	38	13, 17	49·7	41·3	45·5	+0·5	5	0·66	17	+ 1										
t Birr Castle	175	53	16th	30	15, 17	48·4	36·7	42·6	0·0	2	0·71	18	0	Birr Castle ..	1·4	- 1·0	16	3	25	—	—	—	—
a Kilkenny	195	54	13, 16	34	13, 17	49·0	37·0	43·0	- 0·1	2	1·16	29	+11										
a Waterford	137	54	16, 17	39	14th	50·9	41·6	46·3	+1·7	5	2·02	51	+29										
p Seskin, Carrick-on-Suir	542	53	16th	39	14, 17	47·9	40·6	44·3	—	5	2·31	59	—	Seskin ..	0·9	—	10	0	32	—	—	—	—
a Foynes	50	54	16th	31	15th	50·3	38·4	44·4	- 0·3	5	0·76	19	- 4										
t Cahirciveen (Val. Obs.)	30	54	13th	34	18th	52·0	41·7	46·9	- 0·1	6	1·73	44	+12	Cahirciveen ..	2·6	+0·1	30	1	30	—	—	—	—
a Killarney	174	54	13, 15, 17	35	15th	51·1	39·1	45·1	- 0·2	5	0·92	23	- 10	Ballinacurra	2·1	- 0·2	24	—	—	—	—	—	—
t Roche's Point	32	55	16th	42	14, 15, 18	52·1	44·1	48·1	+1·6	6	1·19	30	+ 5										
11. ENGLISH CHANNEL.																						
t Scilly, St. Mary's ..	131	58	16th	40	13th	53·3	46·1	49·7	+0·3	6	1·98	50	+32	Scilly ..	1·6	- 1·2	18	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	52	16, 19	30	13th	48·7	40·9	44·8	- 3·5	3	1·50	38	+16	St. Heliers ..	2·7	- 0·1	30	—	—	—	—	—	—
p Guernsey† ..	173	55	19th	31	13th	51·9	43·3	47·6	- 0·7	3	1·28	33	+ 9	Guernsey ..	1·9	- 0·6	21	1	21	46·8	- 2·2	54·2	+0·6

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, November 19th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m/s	day.	hour	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
**Deerness (Cup Anr.) ..	188	16	5	—	0	13 to 17	78	75	13	2	0	160	17	14	3	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	31	119	18	0	130	8	16	19	18	16	20	50
Aberdeen (Cup Anr.) ..	120	72	12	—	0	16, 19	9	59	96	4	0	150	13	16	19	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	26	84	58	0	180	10	13	9	15	16	19	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	27	93	48	0	130	10	16	10	16	16	10	15
Paisley	188	81	15	—	0	—	0	9	152	7	0	120	6	16	4	13	16	14	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	16	2	50	91	25	0	140	12	16	21	18	16	21	0
South Shields	72	61	12	—	0	16, 17, 19	18	52	84	14	0	160	15	16	21	20	16	21	10
Spurn Head	67	41	‡	—	0	16, 19	11	98	59	0	0	110	14	16	18	17	16	17	45
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	16, 18, 19	18	113	36	1	0	140	13	16	18	16	16	17	25
Shoeburyness	103	90	‡	—	0	—	0	56	105	7	0	100	8	19	13	10	17	12	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	76	61	31	0	160	11	16	13	17	16	12	55
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	67	96	5	0	—	9	16	10	15	16	13	0
Larkhill, S'y Plain ..	513	63	43	—	0	14, 16	5	108	54	0	1	130	12	16	11	15	16	11	0
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	15	131	22	0	90	7	19	16	12	19	16	20
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	14, 16	2	62	100	4	0	150	11	14	11	—	—	—	—
Southport	80	62	48	—	0	16	3	65	100	0	0	120	11	16	10	17	16	11	50
Holyhead	60	40	‡	—	0	13, 14, 16	21	59	77	11	0	150	16	14	3	26	14	3	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	13 to 16	28	13 to 16, 19	43	75	16	6	0	—	22	14	2	27	14	1	30
Plymouth	185	88	2	13, 14	12	13 to 16	29	29	77	21	0	—	20	14	7	26	13	13	50
Lyme Regis	556	61	‡	—	0	14, 16	14	51	101	2	0	—	13	16	6	18	14	7	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	13, 16	13	70	71	14	0	140	14	16	5	—	—	—	—
Quilty	100	40	‡	—	0	13, 15	8	55	94	11	0	—	13	13	10	20	13	10	10
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	13, 15	13	63	54	38	0	180	14	13	7	24	13	8	55
Weaver Pt.	160	30	‡	13	1	13, 15	22	55	89	1	0	—	18	13	14	25	13	13	55
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	13, 14	4	13 to 15, 19	41	66	51	6	0	170 / 310	18	13 / 14	23 / 24	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SIXTH WEEK of 1921—November 13th to November 19th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH..	51	29	81·5	77·6	79·6	+1.3	17	0	5	− 15	4	− 1	0·29	7	− 23	0·5	− 0·7	7	1016
Eastern.																			
1. SCOTLAND, EAST ..	50	22	79·8	76·1	78·0	+0·3	6	− 10	13	− 13	5	+1	0 62	16	− 2	0·4	− 1·3	5	1016
2. ENGLAND, N.E. ..	49	21	80·2	76·1	78·2	− 0·7	8	− 13	13	− 3	4	0	0·47	12	− 2	1·0	− 0·9	12	1017
3. ENGLAND, EAST ..	51	26	80·5	75·8	78·2	− 1·0	10	− 15	15	− 2	1	− 3	0·07	2	− 13	1·2	− 1·0	14	1017
4. MIDLAND COUNTIES	52	15	79·8	74·5	77·2	− 1·4	6	− 15	24	+ 3	4	0	0·38	10	− 4	0·6	− 1·3	7	1016
5. ENGLAND, S.E. ..	54	15	81·1	75·5	78·3	− 1·6	13	− 18	16	+ 4	2	− 2	0·33	8	− 9	1·2	− 1·1	14	1016
Western.																			
6. SCOTLAND, WEST ..	50	27	80·7	76·9	78·8	0·0	12	− 10	8	− 8	4	0	1·26	32	+ 5	—	—	—	1015
7. ENGLAND, N.W. ..	53	24	80·6	75·7	78·1	− 1·2	10	− 14	16	+ 3	4	0	0·39	10	− 10	0·8	− 1·1	10	1013
8. ENGLAND, S.W. ..	58	11	82·3	76·7	79·5	− 0 8	21	− 12	10	0	4	0	1·12	28	+ 6	0 8	− 1·6	10	1012
9. IRELAND NORTH ..	53	28	82·3	76·9	79·6	+0·3	21	− 3	8	− 6	4	− 1	0·79	20	− 2	1·3	− 0·9	16	1013
10. IRELAND, SOUTH ..	55	30	83·2	77·4	80·3	+0·2	28	− 4	6	− 5	5	+1	1·14	29	+ 6	1·6	− 0 9	19	1011
11. ENGLISH CHANNEL..	58	30	83·7	79·3	81·6	− 0·8	38	− 12	0	− 1	4	− 1	1·59	40	+18	2·1	− 0·6	23	1012
MEAN: DISTRICTS 1-10	58	11	81·1	76·2	78·6	− 0·6	14	− 11	13	− 3	4	0	0·66	17	− 3	1·0	− 1·1	12	1015

THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, August 28th to November 19th, 1921.

0. SCOTLAND, NORTH ..	74	23	85·2	79·4	82·2	+ 0·3	601	+ 17	45	− 26	56	− 2	12·20	399	− 19	2·1	− 0·6	19	1014
Eastern																			
1. SCOTLAND, EAST ..	81	17	86·0	79·1	82·4	+ 0·5	649	+ 31	65	− 27	45	− 4	6·52	167	− 39	3·4	+ 0·3	31	1016
2. ENGLAND, N.E. ..	80	15	88·2	80·6	84·3	+ 1·1	918	+174	55	+ 9	30	−14	5·47	140	− 26	4·5	+ 1·0	40	1019
3. ENGLAND, EAST ..	85	21	89·4	81·1	85·1	+ 1·3	1043	+192	51	+ 3	28	−15	4·36	111	− 51	4·6	+ 0·7	41	1020
4. MIDLAND COUNTIES	84	13	89·1	79·8	84·3	+ 1·1	943	+170	80	+11	29	−14	5·34	137	− 39	4·5	+ 1·1	40	1020
5. ENGLAND, S.E. ..	85	14	90·2	81·3	85·6	+ 1·0	1117	+185	57	+23	23	−20	3·64	93	−111	5·1	+ 1·0	46	1020
Western.																			
6. SCOTLAND, WEST ..	76	20	86·8	80·4	83·5	+ 0·8	792	+ 97	40	− 12	45	− 3	10·89	278	− 34	—	—	—	1018
7. ENGLAND, N.W. ..	81	18	88·0	81·2	84·5	+ 1·0	951	+171	54	+20	34	−14	7·52	192	− 49	4·2	+ 0·9	37	1019
8. ENGLAND, S.W. ..	82	11	89·5	81·9	85·5	+ 1·3	1097	+208	40	+14	29	−20	6·00	153	−117	4·4	+ 0·6	39	1020
9. IRELAND, NORTH ..	73	26	87·5	81·2	84·3	+ 1·2	889	+156	25	− 16	49	− 5	9·40	240	− 6	2·8	− 0·3	25	1017
10. IRELAND, SOUTH ..	75	21	88·5	82·0	85·2	+ 1·4	1019	+178	19	− 14	49	0	7·88	200	− 49	3·3	− 0·3	29	1019
11. ENGLISH CHANNEL..	80	30	90·6	84·7	87·6	+ 1·6	1367	+232	2	+ 1	30	−21	4·16	107	−134	5·5	+ 0·9	49	1020
MEAN: DISTRICTS 1-10..	85	11	88·3	80·9	84·5	+ 1·1	942	+156	49	− 1	36	−11	6·70	171	− 52	4·1	+ 0·6	36	1019

THE YEAR. Aggregates, &c., for the Period of 46 Weeks, January 2nd to November 19th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·9	78·5	81·6	+ 0·6	2187	+140	393	−217	204	−10	44·32	1127	+39	3·3	− 0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·9	78·1	81·8	+ 0·6	2419	+150	516	−193	168	−14	23·33	592	− 94	4·4	+ 0·4	34	1015
2. ENGLAND, N.E. ..	92	15	87·6	79·7	83·5	+ 1·3	3201	+584	305	−213	132	−32	16·12	414	−139	4·8	+ 0·5	37	1017
3. ENGLAND, EAST ..	91	21	88·7	80.1	84·3	+ 1·5	3658	+649	278	−264	106	−53	11·79	301	−226	5·4	+ 0·7	42	1018
4. MIDLAND COUNTIES	93	13	88·7	79·5	83·9	+ 1·4	3486	+585	333	−258	122	−36	15·99	409	−179	4·9	+ 0·7	38	1018
5. ENGLAND, S.E. ..	91	14	89·2	80·7	84·7	+ 1·3	3822	+602	227	−186	107	−48	11·73	300	−296	5·6	+ 0·7	44	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·4	79·5	82·8	+ 0·8	2855	+349	280	−188	186	− 3	41·17	1046	+35	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	87·3	80·4	83·7	+ 1·2	3239	+501	215	−201	151	−23	25·48	650	−118	4·8	+ 0·6	37	1018
8. ENGLAND, S.W. ..	89	11	88·4	80·9	84·5	+ 1·3	3651	+605	171	−156	132	−42	20·13	513	−319	5·2	+ 0·5	41	1019
9. IRELAND, NORTH ..	86	23	87·0	80·2	83·5	+ 1·1	3074	+464	173	−208	188	−20	29·42	746	− 88	3·8	0·0	29	1016
10. IRELAND, SOUTH ..	90	21	88·1	80·9	84·4	+ 1·2	3541	+527	136	−157	180	− 5	28·43	725	−141	4·3	0·0	34	1018
11. ENGLISH CHANNEL..	87	30	88·9	83·0	86·1	+ 1·5	4250	+656	29	− 77	131	−49	14·80	377	−319	6·1	+ 0·5	48	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·7	80·0	83·7	+ 1·2	3296	+502	263	−202	147	−28	22·36	570	−157	4·8	+ 0·5	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
25th November, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 185

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) } No. 47.

FORTY-SEVENTH WEEK

SUNDAY, NOVEMBER 20TH. TO SATURDAY, NOVEMBER 26TH, 1921.

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I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Isles generally the weather of the week was of a rather unsettled character. Rain fell in most places and hail was reported at one or two stations. There was a good deal of fog, and in the London area it was rather dense towards the end of the week. The winds were mainly easterly or south-easterly and usually light to moderate in force, though in places it reached the force of a gale. The highest maximum temperatures generally occurred on either the 23rd or 24th, when readings as high as 289a were registered in several places. The lowest of the screen minima, about 265a, occurred at Balmoral on the 22nd and 26th, and also at West Linton (Peebles) and Geldeston (Beccles) on the 26th, while on the grass readings equal to or below that value were registered in several places, the actual lowest being 262a at Balmoral on the 17th and at Dumfries on the 26th. The mean temperature was below the normal in the eastern districts, but above elsewhere.

The total rainfall for the week was below the normal in all districts, though a few rather heavy falls were measured during the middle days of the week; among the heaviest amounts were 23mm. at Cahirciveen (Valencia Observatory) on the 23rd, 21mm. at Crieff (Perth) and 20mm. at Renfrew on the 22nd, and on the last day of the week Falmouth had a fall of 20mm. Sunshine varied a good deal, but there were some bright periods during the latter part of the week in different parts of the country, when more than 6 hours in a day were recorded; among the largest amounts were 7·7 hours at Jersey and 7·6 hours at Newton Rigg (Cumberland) on the 25th, and for the three days, 24th to 26th, a total amount of nearly 20 hours was recorded at Cromer, Felixstowe, Folkestone and Margate. The mean departure from the normal ranged from +2·4 hours at Margate to —2·0 hours at Scilly. Aurora was witnessed at Gordon Castle on the 25th. Solar halos were observed at Greenwich on the 23rd and at Oxford on the 23rd and 24th.

Temperature Scale.

As will be seen from the table on p. 188, the mean temperature for the Autumn season (13 weeks from August 28th) has been above the normal in all parts of the British Isles. In the English Channel district 10 weeks out of the 13 have been classified as unusually warm for the time of year. Rainfall for the same period was decidedly less than the normal in all districts, while sunshine was in excess of the normal in all districts except Scotland N. and Ireland N. and S.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	26	6·1	8	4·8	23	4·5	8	1·0	13	4·2	27	5·6	25	5·2	22	4·4
North	0	—	1	0·4	5	2·1	6	2·2	2	0·7	0	—	2	3·6	4	0·6
West	1	2·3	0	—	0	—	0	—	0	—	0	—	0	—	0	—
East	26	4·1	10	1·8	28	4·0	24	2·6	22	4·3	28	7·4	26	3·5	28	4·7
Calm	1	—	17	—	0	—	4	—	6	—	0	—	1	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Very Unusual	Unusual
	Rainfall ..	Light	Moderate	Light	Light	Light	Light	Light	Light	Light	Light	Moderate	Moderate
	Sunshine ..	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	—	Moderate	Scanty	Very Scanty	Very Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. *13* weeks from August 28th, 1921.	Warmth ..	5, 5, 3	6, 4, 3	7, 5, 1	5, 7, 1	6, 5, 2	6, 5, 2	7, 3, 3	8, 2, 3	8, 3, 2	9, 1, 3	8, 2, 3	10, 1, 2
	Rainfall ..	3, 5, 5	3, 4, 6	4, 2, 7	2, 3, 8	, 4, 7	2, 1, 10	2, 5, 6	3, 2, 8	1, 2, 10	2, 6, 5	1, 7, 5	1, 2, 10
	Sunshine ..	3, 2, 8	5, 5, 3	6, 4, 3	5, 5, 3	6, 5, 2	7, 2, 4	—	6, 5, 2	6, 1, 6	3, 4, 6	4, 2, 7	5, 5, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	50	23, 24	36	21st	46·4	42·7	44·6	+3·3	4	0·85	22	- 3										
p Deerness, Orkney	165	51	23, 25	35	22nd	49·3	41·6	45·5	+4·1	4	0·55	14	- 9	Deerness	0·8	- 0·2	11	—	—	—	—	—	—
a, Islands — *t* Stornoway	51	57	23rd	25	22nd	47·4	39·3	43·4	+1·9	4	1·24	32	- 3	Stornoway	1·1	- 0·1	14	—	—	—	—	—	—
t Castlebay, Barra I.	37	54	23rd	40	21st	49·4	46·3	47·9	—	4	0·46	12	—	Castlebay	1·5	—	20	—	—	—	—	—	—
t Wick	81	50	23rd	29	22nd	46·1	41·7	43·9	+3·3	4	0·26	7	- 11										
a Strathpeffer	125	56	24th	24	22, 23	43·1	30·7	36·9	- 3·1	0	0·00	0	- 18										
b, Main- *p* Glencarron	500	64	23rd	28	21, 26	48·6	35·7	42·2	+2·6	1	0·15	4	- 53										
land. *a* Fort Augustus	68	59	24th	22	26th	52·0	34·7	43·4	+3·0	1	0·19	5	- 23										
p Fort William	171	56	23rd	28	22nd	47·3	36·6	42·0	+0·7	2	0·79	20	- 30										
1. SCOTLAND, E.																							
Nairn	82	56	23, 24	23	22nd	43·3	34·4	38·9	- 0·8	1	0·09	2	- 10	Nairn	2·0	—	27	—	—	—	—	—	—
p Gordon Castle	101	55	24th	27	21, 26	46·9	34·9	40·9	+0·2	3	0·17	4	- 10	Gordon Castle	1·3	—	17	—	—	—	—	—	—
t Aberdeen	46	50	23, 24	28	22nd	45·6	40·0	42·8	+2·2	4	0·39	10	- 5	Aberdeen	0·5	- 1·2	7	1	19	—	—	46·0	+1·0
a Balmoral	930	55	23rd	17	22, 26	40·4	27·7	34·1	- 2·8	3	0·42	11	- 7	Balmoral	—	—	—	4	12	—	—		
p Crieff	432	49	23rd	31	22nd	42·3	34·4	38·4	- 1·4	4	1·04	26	+ 4	Crathes	0·9	- 0·9	11	4	22	41·3	—	44·8	—
a Dundee	244	50	23rd	28	22nd	44·9	34·9	39·9	+0·1	3	0·58	15	+ 3	Dundee	1·2	—	16	3	22	41·0	—	—	—
t Inchkeith (F. of Forth)	190	57	23rd	34	26th	46·1	40·1	43·1	—	3	0·38	10	—	Inchkeith (F. of Forth)	—	—	—	1	26	—	—	—	—
p Edinburgh	441	56	23rd	28	26th	47·0	37·7	42·4	+1·7	3	0·31	8	- 3	Edinburgh	1·8	- 0·2	23	3	19	—	—	—	—
a West Linton	769	54	23rd	18	26th	46·3	34·1	40·2	+3·7	3	0·30	8	—	West Linton	—	—	—	4	14	—	—	—	—
a Marchmont	498	51	23rd	24	26th	45·9	33·0	39·5	+0·2	3	0·34	9	- 6	Marchmont	1·4	- 0·3	18	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	55	23rd	28	26th	49·1	39·7	44·4	—	4	1·04	27	—	Ford (Argyll)	—	—	—	3	19	46·8	—	48·6	—
t Renfrew	49	56	23rd	29	26th	44·9	37·4	41·2	—	2	0·80	20	—	Renfrew	0·2	—	2	3	19	—	—	—	—
p Rothesay	200	54	23rd	35	26th	46·7	39·3	43·0	+0·8	2	0·60	15	- 13	Rothesay	1·0	—	12	0	32	45·0	—	47·6	+1·4
a Kilmarnock	90	55	24th	30	26th	48·0	38·3	43·2	+3·0	2	0·49	13	- 8	Kilmarnock	0·5	—	7	—	—	43·2	—	47·9	—
a Colmonell	170	53	23, 25	23	26th	48·9	39·9	44·4	+2·5	2	0·77	20	- 8	Colmonell	—	—	—	1	18	—	—	—	—
p Dumfries	160	56	23rd	21	26th	46·7	35·3	41·0	+0·2	2	0·46	12	- 8	Dumfries	1·4	—	17	4	12	42·9	+2·9	46·9	+1·9
t Eskdalemuir	794	52	23, 24	22	26th	44·0	34·4	39·2	—	3	0·59	15	—	Eskdalemuir	1·9	—	24	2	17	—	—	—	—
b, I. OF MAN *h* Douglas	284	52	22, 23	38	26th	47·7	42·7	45·2	+1·6	2	0·88	22	- 5	Douglas	0·2	- 1·8	2	0	38	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	49	23rd	35	25th	44·6	37·4	41·0	- 0·1	3	0·31	8	- 6	Cockle Park	0·4	- 1·7	5	—	—	40·4	+1·7	44·5	+1·7
t Tynemouth	118	48	23rd	36	25, 26	44·4	39·7	42·1	+0·3	3	0·22	6	- 4										
p Durham	336	45	23, 24	30	26th	42·7	35·7	39·2	- 1·3	3	0·27	7	- 3	Durham	0·5	- 1·4	6	3	26	—	—	—	—
a North — *p* Rounton	249	53	23rd	28	26th	45·4	35·0	40·2	- 0·2	3	0·10	3	- 8	Rounton	—	—	—	4	18	42·7	—	—	—
a West Witton	605	49	23rd	29	25th	43·0	34·3	38·7	—	3	0·10	3	—	West Witton	—	—	—	4	24	39·9	—	45·1	—
h Scarborough	118	50	23rd	38	22nd	46·4	41·3	43·9	+1·3	2	0·17	4	- 8	Scarborough †	0·9	- 0·8	11	—	—	—	—	47·0	—
p York	56	50	24th	31	25th	44·0	36·9	40·5	- 1·0	3	0·10	3	- 7	York	0·6	- 0·7	8	—	—	43·9	+0·6	48·1	+0·2
t Spurn Head	26	48	23, 24	34	26th	45·9	39·3	42·6	- 0·3	3	0·14	4	- 5	Spurn Head	2·2	—	28	—	—	—	—	—	—
b, South — *a* Lincoln	58	49	23rd	30	25th	45·4	36·1	40·8	- 0·4	2	0·03	1	- 9	Lincoln	—	—	—	1	26	41·3	+0·5	47·8	+0·3
t Cranwell	237	50	23rd	27	25th	43·3	33·7	38·5	- 2·8	4	0·09	2	- 8	Cranwell	1·8	- 0·1	21	2	22	—	—	—	—
														Skegness	2·8	+0·5	34	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	54	23rd	35	26th	47·7	37·3	42·5	+0·2	1	0·02	0·4	- 10	Cromer	3·7	+2·0	45	—	—	—	—	—	—
a Little Massingham	277	53	23rd	28	26th	45·4	35·3	40·4	+0·3	3	0·05	1	- 11	Lit Massingham	3·0	+1·5	36	—	—	—	—	—	—
t Yarmouth	13	50	23rd	39	20, 21	45·7	41·0	43·4	+1·2	2	0·02	1	- 10	Yarmouth	3·0	—	36	1	30	44·4	+2·1	48·4	+0·1
a Norwich	93	52	23rd	23	26th	45·4	34·4	39·9	- 1·3	0	0·00	0	- 12	Norwich	3·4	—	41	4	19	39·0	—	—	—
a Geldeston	37	53	23rd	19	26th	47·6	32·9	40·3	- 1·7	0	0·00	0	- 11	Geldeston	3·2	+1·4	39	—	—	—	—	—	—
p Cambridge	41	54	23rd	27	26th	45·0	34·7	39·9	- 1·3	1	0·04	1	- 8	Cambridge	1·6	- 0·1	19	3	29	42·9	+0·3	49·4	+0·8
t Clacton-on-Sea	54	50	23rd	34	26th	45·9	40·4	43·2	+1·0	2	0·04	1	- 8	Clacton-on-Sea	3·6	+1·7	42	1	29	44·1	- 1·1	50·0	+0·5
a Rothamsted	420	52	23rd	28	26th	42·7	33·0	37·9	- 3·0	3	0·07	2	- 10	Rothamsted	1·5	- 0·3	18	4	18	41·3	—	—	—
p Tottenham	51	50	23rd	28	26th	42·9	35·1	39·0	—	1	0·06	2	—	Tottenham	0·5	—	6	—	—	—	—	49·8	0·0
														Southend	2·9	—	35	1	27	43·2	- 0·2	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	43	22, 23	31	25th	41·0	34·7	37·9	- 2·4	3	0·09	2	- 9	Harrogate	0·2	- 1·4	2	3	26	41·9	- 0·1	45·1	+0·1
a North — *p* Sheffield	429	49	23rd	33	25, 26	43·0	36·3	39·7	—	2	0·17	4	—	Sheffield	0·2	- 1·3	2	2	28	41·9	- 0·2	46·7	- 0·8
p Buxton	987	49	23rd	26	20th	41·3	32·7	37·0	- 1·8	2	0·21	5	- 15	Buxton	0·4	—	5	4	26	39·8	+0·3	46·9	+0·4
a Worksop	56	49	23, 24	25	25th	44·1	33·4	38·8	- 2·4	3	0·11	3	- 5	Worksop	0·8	- 0·5	10	3	21	42·2	—	46·7	—
t Nottingham	82	52	23rd	33	25, 26	44·4	36·3	40·4	- 0·8	1	0·06	2	- 6	Nottingham	1·0	- 0·2	12	0	31	40·0	- 0·3	45·3	- 0·7
b, East — *p* Birmingham, Edgbsn.	525	53	23rd	30	25th	44·4	35·9	40·0	- 1·4	0	0·00	0	- 10	Birmingham	0·3	- 0·9	3	1	29	42·3	- 0·5	49·0	+0·8
a Raunds	213	52	23rd	26	25th	43·9	32·3	38·1	- 2·4	3	0·06	2	- 7	Raunds	0·9	—	10	3	26	42·7	—	—	—
p Oxford	208	54	23rd	30	25th	45·1	35·6	40·4	- 1·5	1	0·03	1	- 9	Oxford	0·9	- 0·9	10	2	24	—	—	—	—
														Malvern	0·2	—	3	1	23	43·1	—	48·2	—
a Cheadle (N. Staffs.)	646	50	23rd	31	26th	42·7	35·1	38·9	- 1·2	1	0·13	3	- 9	Cheadle	—	—	—	4	23	—	—	—	—
c, West — *p* Tenbury	313	50	22, 23	27	25th	43·3	34·7	39·0	- 2·5	3	0·09	2	- 7	Tenbury	—	—	—	3	22	42·6	—	—	—
a Hereford	291	48	23rd	31	25th	42·1	35·9	39·0	- 2·5	0	0·00	0	- 10	Ross on Wye	0·3	—	4	1	26	42·5	—	48·5	—
a Clifton	225	56	23rd	36	21st	47·1	38·9	43·0	- 0·1	3	0·12	3	- 10	Clifton	0·3	—	4	0	32	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	57	23rd	30	25th	45·0	35·9	40·5	- 0·1	3	0·05	1	- 13	Worthing	2·5	+0·4	29	0	33	44·8	+1·0	50·4	+0·2
a Porton	340	57	23rd	33	26th	46·3	37·1	41·7	—	2	0·03	1	—	Marlborough	0·4	- 1·0	5	2	24	44·5	—	50·2	—
a Wisley, Surrey	150	56	23rd	31	26th	44·6	36·0	40·3	- 1·4	2	0·09	2	- 8	Porton	—	—	—	1	28	43·9	—	—	—
h Tunbridge Wells	354	54	23rd	27	26th	46·3	35·6	41·0	- 1·1	1	0·08	2	- 13	Wisley, Surrey	1·4	- 0·2	17	2	22	42·7	- 0·1	48·3	0·0
h Margate	51	50	23rd	36	22, 25	45·3	38·7	42·0	- 1·7	1	0·08	2	- 8	Tunbridge Wells	3·2	+1·3	37	3	17	44·9	+3·2	49·9	—
														Margate	4·0	+2·4	47	1	29	43·3	- 1·8	50·5	+1·8
t Dungeness	21	54	23rd	38	22nd	47·1	41·3	44·2	+0·2	1	0·08	2	- 10	Folkestone	3·9	—	46	—	—	—	—	—	—
h St. Leonards	178	52	23rd	38	21, 22	46·0	40·7	43·4	- 0·7	1	0·12	3	- 10	St. Leonards	3·5	+1·4	41	0	38	44·0	—	53·2	—
p Southampton	64	54	22nd	33	26th	48·3	40·0	44·2	+0·5	2	0·09	2	- 12	Southampton	1·5	- 0·3	18	1	23	—	—	50·8	—
a Ventnor	59	57	23rd	39	21st	52·0	44·4	48·2	+2·3	1	0·18	5	- 9	Ventnor	1·6	- 0·5	19	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	56	23rd	32	25th	44·5	36·9	40·7	- 1·6	1	0·09	2	- 8	Richmond	0·3	- 1·1	4	3	25	40·6	- 2·0	49·1	+0·2
a Westminster	27	57	23rd	31	26th	45·7	38·0	41·9	- 1·4	1	0·07	2	- 7	Westminster	0·5	- 0·3	6	2	27	—	—	—	—
ag Greenwich	149	57	23rd	29	26th	44·1	34·9	39·5	- 2·8	2	0·16	4	- 6	Greenwich	1·5	+0·1	18	4	25	—	—	—	—
a Hampstead	450	54	23rd	29	26th	43·0	34·6	38·8	—	2	0·09	2	—	Hampstead	1·0	—	12	4	26	—	—	—	—
ag Camden Square	110	54	23rd	29	26th	43·3	34·7	39·0	- 3·6	1	0·07	2	- 8	Camden Square	—	—	—	3	28	41·8	—	48·6	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	57	23rd	27	26th	48·9	38·0	43·5	+2·6	2	0·24	6	- 15	Aspatria	1·9	+0·1	24	1	21	44·0	+2·2	47·6	+0·2
p Newton Rigg	559	54	23rd	26	26th	46·6	36·1	41·4	+2·2	2	0·14	4	- 14	Newton Rigg	2·1	+0·5	26	3	19	—	—	—	—
p Stonyhurst	375	54	23rd	31	26th	46·1	37·3	41·7	+0·6	3	0·25	6	- 17	Stonyhurst	1·1	- 0·3	14	1	28	—	—	—	—
h Blackpool	66	53	24th	27	26th	45·3	38·0	41·7	- 0·5	3	0·32	8	- 9	Blackpool	0·7	- 1·0	9	2	23	45·1	—	49·5	—
h Southport	37	51	23, 24	30	26th	44·5	38·5	41·5	- 0·7	2	0·33	9	- 7	Southport	0·3	- 1·4	4	2	28	41·5	+1·2	46·4	+0·6
														Hoylake	0·2	- 1·7	2	—	—	—	—	—	—
t Liverpool (Bidston)	188	50	23rd	31	26th	43·9	37·0	40·5	- 2·4	3	0·29	7	- 6	Liverpool	0·4	—	5	2	24	—	—	—	—
a Hawarden Bridge	22	50	22, 23	32	26th	44·6	37·4	41·0	- 2·3	2	0·20	5	- 6	Manchester City	0·7	+0·2	8	1	26	42·1	+0·9	48·4	- 0·1
p Manchester (Whit. Pk.)	125	57	23rd	28	26th	48·0	37·9	43·0	+0·9	3	0·23	6	- 8	Whit. Pk.	1·3	+0·7	17	—	—	—	—	—	—
8. NORTH WALES.																							
h Llandudno	22	60	23rd	29	26th	50·3	40·4	45·4	+0·8	2	0·13	3	- 13	Llandudno	2·1	+0·1	25	—	—	—	—	—	—
t Holyhead	15	60	23rd	37	26th	51·4	44·0	47·7	+2·6	2	0·10	3	- 18	Holyhead	1·8	—	23	2	25	—	—	—	—
a Aberdovey	60	61	23rd	35	26th	52·3	41·0	46·7	—	3	0·14	4	—	Aberdovey	1·7	- 0·4	21	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "·" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 1st, 1921, the maxima and minima at the stations which are indicated by "*b*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *c* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	59	23rd	36	26th	51·9	42·9	47·4	—	4	0·25	6	—	Aberystwyth	2 3	+0·4	28	—	—	—	—	—	—
a Rhayader	757	51	22nd	30	25th	43·9	36·4	40·2	—	5	0·47	12	—	Rhayader ..	0·2	—	3	1	19	—	—	—	—
t Pembroke	149	58	23rd	40	21st	50·4	46·0	48·2	+2·2	4	0·56	14	- 5	Pembroke ..	1·0	- 0·9	12	—	—	—	—	—	—
p Cardiff	202	52	23rd	33	26th	45·4	38·4	41·9	- 0·3	3	0·26	7	- 13	Cardiff ..	0·4	—	5	0	34	44·4	+1·7	49·9	+1·2
b, ENGLAND, S.W.																							
h Bath	66	56	23rd	35	26th	47·3	39·7	43·5	+1·1	2	0·06	2	- 12	Bath	0·5	- 1·4	6	—	—	45·5	+0·8	50·5	+0·2
a Shaftesbury	722	53	23rd	34	21, 26	46·0	38·3	42·2	+0·5	2	0·06	2	- 14	Shaftesbury ..	—	—	—	—	—	43·8	—	49·5	—
a Arlington	613	58	23rd	36	21st	50·7	42·5	46·6	+3·9	3	0·45	11	- 17										
h Newquay	190	58	23rd	44	21st	54·2	49·6	51·9	+5·3	3	0·44	11	- 7	Newquay ..	0·7	- 1·5	8	—	—	50·2	—	53·1	—
a Cullompton	202	57	23rd	38	21st	51·1	42·7	46·9	+4·1	4	0·29	7	- 11	Cullompton ..	0·8	- 0·9	9	1	27	47·5	—	—	—
t Portland Bill	19	58	23rd	40	21st	53·0	45·1	49·1	+2·6	2	0·24	6	- 7	Weymouth ..	0·6	—	7	—	—	—	—	—	—
p Plymouth	116	60	23rd	42	20, 21	54·7	47·6	51·2	+5·8	3	0·61	15	- 4	Plymouth ..	2·0	0·0	24	0	39	48·6	+3·1	52·6	—
t Falmouth	167	58	23rd	49	20, 21	54·1	51·3	52·7	+6·4	3	1·12	28	+ 3	Falmouth ..	0·5	- 1·7	6	0	47	51·3	—	53·4	—
9. IRELAND, N.																							
t Malin Head	208	58	24th	40	26th	50·6	45·1	47·9	+3·7	4	0·57	15	- 4	Malin Head ..	1·0	—	13	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany	120	58	22, 23	39	20th	52·4	45·0	48·7	—	5	0·97	25	—	Mallarany ..	0·2	—	3	0	35	—	—	—	—
p Markree Castle	122	57	23rd	29	20th	51·7	43·0	47·4	+5·3	4	0·60	15	- 10	Markree Castle	0·0	- 1·6	0	1	25	47·3	+3·1	50·6	+1·4
p Armagh	204	55	22-24	34	26th	50·6	42·7	46·7	+4·5	4	0·47	12	- 5	Armagh ..	1·0	- 0·8	13	0	34	46·5	+3·5	49·1	+1·2
b, East .. *t* Donaghadee	35	56	23rd	43	21st	50·4	47·7	49·1	+5·4	5	0·95	24	+ 6										
														Trinity Coll.	—	—	—	—	—	47·8	+3·8	49·4	+1·4
														Phœnix Park	0·5	- 1·7	6	1	29	—	—	—	—
10. IRELAND, S.														Dublin City ..	—	—	—	0	34	—	—	—	—
p Dublin City	54	56	23rd	39	20th	52·0	46·7	49·4	+5·2	4	0·35	9	- 4										
t Birr Castle	175	56	22, 23	34	20th	51·3	45·7	48·5	+6·6	3	0·33	9	- 7	Birr Castle ..	0·3	- 1·6	3	1	28	—	—	—	—
a Kilkenny	195	56	22, 23	36	20th	52·1	45·7	48·9	+6·5	2	0·45	12	- 4										
a Waterford	137	57	23rd	42	21st	53·4	48·4	50·9	+7·0	5	0·67	17	- 2										
p Seskin, Carrick-on-Suir	542	55	24th	40	21st	50·9	46·1	48·5	—	7	1·19	30	—	Seskin ..	0·1	—	1	0	39	—	—	—	—
a Foynes	50	58	23rd	39	20th	53·3	46·4	49·9	+5·9	4	0·51	13	- 8										
t Cahirciveen (Val. Obs.)	30	60	24th	48	20, 21	55·9	52·7	54·3	+7·9	6	1·79	45	+17	Cahirciveen ..	0·7	- 1·2	9	0	44	—	—	—	—
a Killarney	174	59	22, 23	43	20, 21	55·4	49·2	52·3	+7·7	7	1·07	27	- 3	Ballinacurra	0·0	- 1·8	0	—	—	—	—	—	—
t Roche's Point	32	56	22nd	45	20th	53·1	50·9	52·0	+6·2	7	0·81	21	- 1										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	56	22, 24	50	21st	54·9	51·9	53·4	+4·7	5	0·85	22	+ 5	Scilly ..	0·0	- 2·0	0	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	55	23, 24	39	21st	51·0	43·7	47·4	0·0	1	0·43	11	- 8	St. Heliers ..	1·6	- 0·5	18	—	—	—	—	—	—
p Guernsey† ..	173	57	23rd	42	21st	53·7	47·3	50·5	+3·1	1	0·35	9	- 12	Guernsey ..	1·9	0·0	21	0	37	48·4	+0·6	52 9	+0·6

* See footnote to previous page † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, November 26th, 1921.

District and Station.	Height: Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed	Date d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	—	0	19, 20, 23, 24	39	81	43	5	0	110	14	19	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	1	116	51	0	170	6	23	13	13	23	13	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	—	0	27	123	18	0	100	9	20	{21 22	—	—	—	—
Edinburgh	485	39	31	—	0	23	3	11	40	114	0	170	12	23	5	17	23	4	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	6	119	43	0	60	7	20	16	11	20	15	30
Paisley	188	81	15	—	0	—	0	13	121	34	0	170	9	22	24	16	23	0	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	12	131	25	0	190	7	23	17	12	23	14	25
South Shields	72	61	12	—	0	—	0	30	109	29	0	110	10	20	13	14	20	20	15
Spurn Head	67	41	‡	—	0	—	0	72	55	41	0	120	9	23	19	12	{20 21	8 22	25 20
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	21	4	130	34	0	0	150	11	21	22	14	21	21	30
Shoeburyness	103	90	‡	—	0	—	0	22	124	22	0	120	8	24	20	9	{21 24	14 20	50 25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	23	101	44	0	110	10	23	18	14	23	17	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	49	119	0	0	—	7	{21 23	13 19	13	21	13	35
Larkhill, S'y Plain ..	513	63	43	—	0	—	0	113	55	0	0	120	9	23	11	11	23	10	35
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	0	130	38	0	70	5	20	3	9	20	1	35
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	60	103	5	0	140	10	23	11	—	—	—	—
Southport	80	62	48	—	0	—	0	82	86	0	0	140	9	23	14	14	24	2	20
Holyhead	60	40	‡	—	0	20, 22, 26	4	82	54	28	0	140	12	22	22	17	22	21	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	26	5	20 to 26	88	60	1	0	14	120	20	26	11	25	26	10	55
Plymouth	185	88	2	—	0	—	0	77	91	0	0	—	10	26	12	16	26	12	35
Lyme Regis	556	61	‡	—	0	—	0	37	129	1	1	—	9	24	15	11	21	8	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	20, 23	5	116	42	5	0	170	13	23	6	—	—	—	—
Quilty	100	40	‡	—	0	22, 23, 25, 26	11	126	30	1	0	—	13	25	22	19	25	21	55
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	22, 23	13	127	26	2	0	170	12	22	22	20	23	10	40
Weaver Pt.	160	30	‡	—	0	21, 22, 23, 25, 26	18	140	10	0	0	—	12	26	6	17	26	9	40
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	26	10	20 to 23, 25, 26	35	107	7	9	0	110	18	26	12	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*See* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SEVENTH WEEK of 1921—November 20th to November 26th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	64	22	81·5	75·9	78·7	+1.0	15	+ 1	13	− 10	2	− 3	0·50	13	− 21	0·9	− 0·1	13	1019
Eastern.																			
1. SCOTLAND, EAST ..	57	17	80·0	74·6	77·3	+0·1	7	− 6	23	− 6	3	− 1	0·39	10	− 5	1·3	− 0·3	17	1021
2. ENGLAND, N.E. ..	53	27	80·1	75·9	78·0	− 0·3	8	− 9	15	− 4	3	− 1	0·16	4	− 7	1·2	− 0·7	14	1023
3. ENGLAND, EAST ..	54	19	80·4	75·2	77·8	− 0·5	10	− 8	19	− 1	1	− 3	0·03	1	− 10	2·5	+0·8	30	1023
4. MIDLAND COUNTIES	56	25	79·6	74·8	77·2	− 0·9	5	− 12	22	− 2	2	− 2	0·07	2	− 9	0·5	− 1·0	6	1022
5. ENGLAND, S.E. ..	57	27	81·1	76·7	78·9	− 0·2	13	− 10	9	− 6	2	− 2	0·09	2	− 12	2·2	+0·5	26	1022
Western.																			
6. SCOTLAND, WEST ..	56	21	81·6	76·9	79·2	+0·8	17	− 1	8	− 11	2	− 3	0·72	18	− 12	—	—	—	1021
7. ENGLAND, N.W. ..	60	26	81·4	76·6	79·0	+0·2	15	− 4	10	− 6	2	− 2	0·21	5	− 15	1·4	− 0·2	17	1019
8. ENGLAND, S.W. ..	60	30	82·8	79·0	80·9	+1·2	30	+ 3	0	− 13	3	− 1	0·41	10	− 11	1·0	− 0·9	12	1018
9. IRELAND NORTH ..	58	29	83·5	80·1	81·8	+2·7	41	+20	0	− 15	4	− 1	0·58	15	− 7	0·5	− 1·2	6	1018
10. IRELAND, SOUTH ..	60	34	84·8	82·0	83 4	+3·7	62	+34	0	− 13	5	+1	0·75	19	− 2	0·4	− 1·6	5	1014
11. ENGLISH CHANNEL..	57	39	84·8	81·7	83·2	+1·3	59	+15	0	− 2	2	− 3	0·54	14	− 5	1·2	− 0·8	13	1016
MEAN: DISTRICTS 1-10	60	17	81·5	77·2	79·4	+0·7	21	+ 1	11	− 8	3	− 2	0·34	9	− 9	1·2	− 0·5	15	1020

THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, August 28th to November 26th, 1921.

0. SCOTLAND, NORTH ..	74	22	85·0	79·1	82·0	+ 0·5	616	+ 18	58	− 36	58	− 5	12·70	322	− 40	2·0	− 0·5	19	1015
Eastern																			
1. SCOTLAND, EAST ..	81	17	85·5	78·7	82·0	+ 0·4	656	+ 25	88	− 33	48	− 5	6·91	177	− 44	3·2	+ 0·2	30	1017
2. ENGLAND, N.E. ..	80	15	87·6	80·2	83·8	+ 1·0	926	+165	70	+ 5	33	−15	5·63	144	− 33	4·2	+ 0·8	39	1019
3. ENGLAND, EAST ..	85	19	88·7	80·6	84·6	+ 1·2	1053	+184	70	+ 2	29	−18	4·39	112	− 61	4·5	+ 0·7	41	1020
4. MIDLAND COUNTIES	84	13	88·3	79·4	83·7	+ 0·9	948	+158	102	+ 9	31	−16	5·41	139	− 48	4·1	+ 0·9	38	1020
5. ENGLAND, S.E. ..	85	14	89·5	80·9	85·1	+ 0·9	1130	+175	66	+17	25	−22	3·73	95	−123	4·9	+ 1·0	45	1020
Western.																			
6. SCOTLAND, WEST ..	76	20	86·4	80·2	83·2	+ 0·8	809	+ 96	48	− 23	47	− 6	11·61	296	− 46	—	—	—	1018
7. ENGLAND, N.W. ..	81	18	87·5	80·9	84·1	+ 1·0	966	+167	64	+14	36	−16	7·73	197	− 64	3·9	+ 0·7	36	1019
8. ENGLAND, S.W. ..	82	11	88·9	81·6	85·2	+ 1·3	1127	+211	40	+ 1	32	−21	6·41	163	−128	4·1	+ 0·4	37	1020
9. IRELAND, NORTH ..	73	26	87·2	81·1	84·1	+ 1·3	930	+176	25	− 31	53	− 6	9·98	255	− 13	2·7	− 0·3	24	1017
10. IRELAND, SOUTH ..	75	21	88·2	82·0	85·0	+ 1·5	1081	+212	19	− 27	54	+1	8·63	219	− 51	3·1	− 0·4	28	1018
11. ENGLISH CHANNEL..	80	30	90·2	84·5	87·3	+ 1·6	1426	+247	2	− 1	31	−25	4·64	119	−141	5·2	+ 0·8	47	1020
MEAN: DISTRICTS 1-10..	85	11	87·8	80·6	84·1	+ 1·0	963	+157	59	− 7	39	−12	7·04	180	− 61	3·9	+ 0·4	35	1019

THE YEAR. Aggregates, &c., for the Period of 47 Weeks, January 2nd to November 26th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·9	78·5	81·5	+ 0 6	2202	+141	406	−227	206	−13	44·82	1140	+18	3·2	− 0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·7	78·1	81·7	+ 0·6	2426	+144	539	−199	171	−15	23·72	602	− 99	4·3	+ 0·4	33	1015
2. ENGLAND, N.E. ..	92	15	87·4	79·6	83·4	+ 1·3	3209	+575	320	−217	135	−33	16·28	418	−146	4·7	+ 0·5	37	1017
3. ENGLAND, EAST ..	91	19	88·5	80·0	84·1	+ 1·4	3668	+641	297	−265	107	−56	11·82	302	−236	5·3	+ 0·6	42	1018
4. MIDLAND COUNTIES	93	13	88·5	79·4	83·8	+ 1·4	3491	+573	355	−260	124	−38	16·06	411	−188	4·8	+ 0·7	37	1018
5. ENGLAND, S.E. ..	91	14	89·0	80·7	84·5	+ 1·2	3835	+592	236	−192	109	−50	11·82	302	−308	5·5	+ 0·7	43	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·3	79·4	82·7	+ 0·8	2872	+348	288	−199	188	− 6	41·89	1064	+23	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	87·1	80·3	83·6	+ 1·1	3254	+497	225	−207	153	−25	25·69	655	−133	4·7	+ 0·5	37	1018
8. ENGLAND, S.W. ..	89	11	88·3	80·8	84·4	+ 1·3	3681	+608	171	−169	135	−43	20·54	523	−330	5·2	+ 0·6	41	1019
9. IRELAND, NORTH ..	86	23	86·9	80·2	83·4	+ 1·1	3115	+484	173	−223	192	−21	30·00	761	− 95	3·7	− 0·1	29	1016
10. IRELAND, SOUTH ..	90	21	88·0	81·0	84·3	+ 1·2	3603	+561	136	−170	185	− 4	29·18	744	−143	4·3	+ 0·1	33	1018
11. ENGLISH CHANNEL..	87	30	88·8	83·0	86·0	+ 1·5	4309	+671	29	− 79	132	−53	15·28	389	−326	6·0	+ 0·5	47	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·6	80·0	83·6	+ 1·1	3315	+502	274	−210	150	−29	22·70	578	−166	4·7	+ 0·4	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
2nd December, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 1921

British Meteorological and Magnetic Year-Book. Part I.

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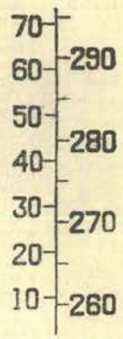
FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 48.

FORTY-EIGHTH WEEK.
SUNDAY, NOVEMBER 27TH, TO SATURDAY, DECEMBER 3RD, 1921.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

On the Saturday preceding the week under notice fog prevailed over large parts of England and during the first two days of the week this fog persisted. In London conditions were worst on the Sunday evening when all traffic was suspended. The fog did not affect the coast towns and these same two days were in many places fine and bright, between 6 and 7 hours of bright sunshine being reported for each day at several stations. After Tuesday the fog gradually disappeared and dull or cloudy weather prevailed generally for the remainder of the week. The highest of the maximum temperatures occurred on various dates mostly on the 28th or 29th when readings of about 286a were recorded at a number of stations. The screen minima were very low in some parts of Scotland and also at a few of the English stations, especially during the early days of the week, when readings of 261a at Balmoral and 264a at West Linton (Peebles) were registered, while temperature on the grass at the same stations fell as low as 260a and 262a respectively. The mean temperature was below the normal in all districts with the exception of Ireland N. and S. and the English Channel. The total rainfall for the week was below the normal in all districts; the largest individual amounts reported were 29mm. at Cullompton (Devon), 24mm. at Seskin (Carrick-on-Suir) on the 30th, and 17mm. at Waterford on the 27th. Several good records of sunshine were obtained. The total amount for the two days 27th and 28th was as much as 14·3 hours at Eastbourne, 13·8 hours at St. Leonards and 13·5 hours at Tunbridge Wells. The mean amount for the week was below the normal in all districts with the exception of England E. where there was a slight excess. The mean departure from the normal ranged from +1·1 hour at Cromer to −1·5 hour at Birr Castle (King's County).



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	27	5·4	8	2·2	17	5·4	2	0·5	12	4·4	19	5·0	21	5·0	11	5·4
North	0	—	3	1·1	4	2·8	12	3·4	4	2·2	5	4·7	4	3·6	9	1·2
West	1	0·8	2	1·3	3	2·1	0	—	0	—	4	1·3	1	0·3	2	0·3
East	25	4·5	15	3·2	19	6·8	19	5·1	27	6·7	21	6·0	23	5·5	18	3·8
Calm	1	—	10	—	6	—	9	—	0	—	1	—	1	—	8	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.*. Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate
	Rainfall ..	Very Light	Very Light	Very Light	Light	Moderate	Moderate	Very Light	Very Light	Moderate	Light	Moderate	Light
	Sunshine ..	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	—	Moderate	Scanty	Scanty	Scanty	Scanty

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 1 week from Nov. 27th, 1921.	Warmth ..	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0
	Rainfall ..	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1
	Sunshine ..	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	—	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
		Highest	Date	Lowest	Date	Mean for the Week											Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands — *t* Lerwick	54	48	29, 30	40	2, 3	45·9	42·4	44·2	+3·0	5	0·14	4	- 26										
p Deerness, Orkney	165	51	27th	37	27th	47·3	41·4	44·4	+3·2	3	0·04	1	- 26	Deerness	0·9	0·0	13	—	—	—	—	—	—
t Stornoway	51	51	29th	27	28th	46·4	36·3	41·4	+0·1	2	0·25	6	- 34	Stornoway	1·0	0·0	14	—	—	—	—	—	—
t Castlebay, Barra I.	37	53	29th	42	29th	48·9	45·0	47·0	—	3	0·13	3	—	Castlebay	0·8	—	11	—	—	—	—	—	—
b, Mainland — *t* Wick	81	49	29th	29	27th	45·3	39·4	42·4	+2·0	0	0·00	0	- 21										
a Strathpeffer	125	43	1st	18	27th	37·3	27·6	32·5	- 7·0	1	0·13	3	- 18										
p Glencarron	500	50	30th	24	27th	42·7	32·3	37·5	- 1·8	1	0·10	3	- 63										
a Fort Augustus	68	53	30th	18	28th	43·9	30·9	37·4	- 2·6	3	0·07	2	- 32										
p Fort William	171	51	30th	24	27th	45·0	35·7	40·4	- 0·7	2	0·14	4	- 56										
1. SCOTLAND, E.																							
t Nairn	82	48	30th	18	27, 28	40·0	29·3	34·7	- 4·9	3	0·06	1	- 12	Nairn	2·0	—	29	—	—	—	—	—	—
p Gordon Castle	101	51	29th	21	27th	44·7	35·4	40·1	- 0·5	1	0·01	0	- 15	Gordon Castle	1·5	—	21	—	—	—	—	—	—
t Aberdeen	46	48	29th	32	27th	44·7	39·4	42·1	+1·6	0	0·00	0·1	- 17	Aberdeen	0·5	- 0·8	7	2	19	—	—	45·5	+1·5
a Balmoral	930	43	30th	11	28th	37·6	27·1	32·4	- 4·4	3	0·05	1	- 18	Balmoral	—	—	—	4	8	—	—	—	—
p Crieff	432	48	30th	33	27, 28	42·7	36·6	39·7	0·0	2	0·21	5	- 20	Crathes	0·8	- 0·5	11	3	20	38·7	—	44·1	—
a Dundee	244	48	29th	33	30th	44·1	36·9	40·5	+0·8	2	0·08	2	- 12	Dundee	0·0	—	0	3	28	40·0	—	—	—
t Inchkeith (F. of Forth)	190	52	29th	32	27th	45·7	39·4	42·6	—	2	0·09	2	—	Inchkeith (F. of Forth)	—	—	—	2	24	—	—	—	—
p Edinburgh	441	53	29th	29	28th	43·9	36·0	40·0	- 0·7	2	0·10	3	- 9	Edinburgh	1·2	- 0·3	16	3	19	—	—	—	—
a West Linton	769	50	30th	16	27th	45·4	33·7	39·6	+3·1	2	0·13	3	—	West Linton	—	—	—	4	13	—	—	—	—
a Marchmont	498	48	29th	21	28th	41·7	32·9	37·3	- 1·9	2	0·22	6	- 10	Marchmont	0·9	- 0·3	12	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	53	29th	27	27th	46·6	36·3	41·5	—	3	0·44	11	—	Ford (Argyll)	—	—	—	2	19	47·5	—	47·7	—
t Renfrew	49	52	29th	27	28th	44·0	36·6	40·3	—	3	0·24	6	—	Renfrew	0·0	—	0	2	21	—	—	—	—
p Rothesay	200	52	29th	34	27th	45·6	38·6	42·1	- 0·2	2	0·25	6	- 22	Rothesay	1·4	—	18	0	32	42·9	—	47·0	+1·7
a Kilmarnock	90	53	29th	25	27th	47·3	36·6	42·0	+1·6	2	0·12	3	- 18	Kilmarnock	1·5	—	21	—	—	40·9	—	47·2	—
a Colmonell	170	54	29th	21	27th	46·7	34·6	40·7	- 1·4	2	0·12	3	- 26	Colmonell	—	—	—	2	18	—	—	—	—
p Dumfries	160	51	29th	21	27th	43·6	34·1	38·9	- 1·9	4	0·25	6	- 14	Dumfries	1·3	—	17	3	13	39·9	+0·2	45·4	+1·1
t Eskdalemuir	794	47	29th	23	27th	41·4	34·0	37·7	—	4	0·87	22	—	Eskdalemuir	1·2	—	16	2	20	—	—	—	—
b, I. OF MAN *h* Douglas	284	53	29, 30	38	30, 1	46·1	41·4	43·8	+0·1	2	0·21	5	- 22	Douglas	0·6	- 1·0	7	0	36	—	—	—	—
7. ENGLAND, N.E.																							
a Alnwick Castle	210	52	29th	28	28th	45·4	35·7	40·6	- 0·2	1	0·06	2	- 18	Cockle Park	1·0	- 0·6	14	—	—	39·7	+1·5	43·8	+0·9
t Tynemouth	118	48	29th	34	28th	44·3	39·9	42·1	+0·6	1	0·02	0·4	- 15										
p Durham	336	47	29th	28	27, 28	43·6	33·1	38·4	- 1·7	2	0·04	1	- 13	Durham	1·0	- 0·4	13	3	21	—	—	—	—
p Rounton	249	50	29th	22	27th	44·7	32·3	38·5	- 1·5	2	0·06	2	- 13	Rounton	—	—	—	6	16	41·0	—	—	—
a West Witton	605	51	29th	26	28th	41·9	33·6	37·8	—	3	0·25	6	—	West Witton	—	—	—	4	21	38·7	—	44·5	—
h Scarborough	118	48	27th	30	27th	44·9	38·7	41·8	- 0·3	2	0·13	3	- 13	Scarborough †	1·2	0·0	16	—	—	—	—	—	—
p York	56	47	29th	26	28th	43·7	33·7	38·7	- 2·4	3	0·06	2	- 13	York	0·2	- 0·8	2	—	—	42·0	- 0·2	47·2	+0·4
b, South — *t* Spurn Head	26	45	29, 1	32	29th	43·6	37·4	40·5	- 1·9	2	0·06	2	- 11	Spurn Head	1·7	—	22	—	—	—	—	—	—
a Lincoln	58	45	29th	30	28th	42·6	33·1	37·9	- 2·9	2	0·07	2	- 12	Lincoln	—	—	—	3	27	39·6	- 0·6	46·7	+0·4
t Cranwell	237	45	29th	29	28th	40·9	33·4	37·2	- 3·7	2	0·07	2	- 13	Cranwell	1·1	- 0·4	14	4	26	—	—	—	—
8. ENGLAND, E.														Skegness	2·0	+0·2	25	—	—	—	—	—	—
p Cromer	196	47	27th	32	28th	42·7	34·0	38·4	- 3·5	4	0·10	3	- 10	Cromer	2·6	+1·1	33	—	—	—	—	—	—
a Little Massingham	277	45	28th	28	27th	40·3	31·3	35·8	- 4·0	4	0·20	5	- 12	Lit Massingham	2·4	+1·0	30	—	—	—	—	—	—
t Yarmouth	13	50	27th	25	28th	41·7	33·9	37·8	- 4·0	2	0·13	3	- 12	Yarmouth	2·1	—	26	2	24	41·4	- 0·5	47·4	- 0·2
a Norwich	93	43	1st	23	27th	38·9	29·6	34·3	- 6·6	2	0·12	3	- 13	Norwich	1·4	—	18	6	19	34·6	—	—	—
a Geldeston	37	45	1st	19	27th	41·3	27·1	34·2	- 7·5	2	0·08	2	- 13	Geldeston	1·9	+0·4	24	—	—	—	—	—	—
p Cambridge	41	45	28th	20	28th	40·7	31·1	35·9	- 5·1	3	0·18	5	- 7	Cambridge	1·4	- 0·1	17	3	22	39·8	- 2·3	48·0	+0·6
t Clacton-on-Sea	54	49	27th	26	28th	42·7	35·1	38·9	- 3·0	2	0·06	2	- 10	Clacton-on-Sea	2·3	+0·7	29	2	23	41·1	- 3·4	48·6	0·0
a Rothamsted	420	43	28, 29	24	28th	40·3	29·4	34·9	- 5·9	3	0·32	8	- 9	Rothamsted	1·5	- 0·1	18	5	19	39·0	—	—	—
p Tottenham	51	44	2nd	27	28th	39·3	31·6	35·5	—	2	0·27	7	—	Tottenham	0·0	—	0	—	—	—	—	47·6	- 1·1
4. MIDLAND COUNTIES.														Southend	1·4	—	17	4	27	40·1	- 2·8	—	—
a North — *h* Harrogate	479	46	29th	31	28, 1	40·7	34·1	37·4	- 2·6	3	0·17	4	- 13	Harrogate	0·4	- 1·1	5	3	24	41·3	+0·1	44·4	+0·4
p Sheffield	429	51	29th	30	30th	43·1	35·4	39·3	—	1	0·15	4	—	Sheffield	0·2	- 1·1	3	1	29	41·1	- 0·2	45·8	- 0·7
p Buxton	987	48	29th	27	30th	39·4	32·3	35·9	- 2·7	2	0·07	2	- 30	Buxton	0·2	—	3	3	27	39·0	- 0·2	46·0	+0·7
b, East — *a* Worksop	56	49	29th	26	28th	42·4	31·1	36·8	- 4·1	1	0·04	1	- 12	Worksop	0·7	- 0·5	9	5	19	40·8	—	45·6	—
t Nottingham	82	52	29th	29	28th	41·9	35·0	38·5	- 2·5	3	0·12	3	- 10	Nottingham	0·5	- 0·5	7	3	29	39·9	- 0·1	44·1	- 0·6
p Birmingham, Edgbsn.	525	50	29th	28	30th	41·4	33·7	37·6	- 3·5	2	0·23	6	- 9	Birmingham	0·0	- 1·1	0	3	27	41·4	- 1·0	48·2	+0·6
a Raunds	213	49	29th	25	28th	41·0	30·4	35·7	- 4·5	4	0·23	6	- 8	Raunds	1·5	—	19	4	24	41·3	—	—	—
p Oxford	208	50	29th	29	30th	41·9	33·1	37·5	- 4·2	4	0·50	13	- 1	Oxford	0·5	- 1·0	7	3	26	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
c, West — *a* Cheadle (N. Staffs.)	646	46	29th	29	1st	40·3	33·7	37·0	- 2·9	3	0·08	2	- 17	Cheadle	—	—	—	5	27	—	—	—	—
p Tenbury	313	51	29th	30	30th	42·7	35·0	38·9	- 2·6	5	0·43	11	- 2	Tenbury	—	—	—	2	25	41·9	—	—	—
a Hereford	291	50	29th	29	1st	41·7	33·4	37·6	- 3·7	5	0·66	17	+ 1	Ross on Wye	0·4	—	5	2	27	41·6	—	47·8	—
a Clifton	225	50	28, 30	34	27, 1, 3	45·4	35·9	40·7	- 2·3	4	0·94	24	+ 3	Clifton	0·2	—	3	0	33	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	49	29th	31	30, 1	41·3	32·9	37·1	- 3·4	5	0·54	14	- 4	Worthing	1·6	- 0·3	19	0	34	42·5	- 1·4	49·5	+0·5
a Porton	340	50	28, 29	32	27, 30	42·9	34·6	38·8	—	3	0·51	13	—	Marlborough	0·2	- 1·1	3	2	30	43·4	—	49·6	—
a Wisley, Surrey	150	47	28th	25	28th	40·3	30·9	35·6	- 6·0	4	0·29	7	- 6	Porton	—	—	—	1	30	43·0	—	—	—
h Tunbridge Wells	354	48	28th	29	1st	41·0	32·0	36·5	- 5·4	3	0·41	10	- 9	Wisley, Surrey	0·8	- 0·6	10	4	20	40·8	- 1·8	47·3	0·0
h Margate	51	45	28th	29	1st	40·6	34·1	37·4	- 6·0	2	0·06	2	- 11	Tunbridge Wells	2·2	+0·6	26	6	16	41·9	+0·4	48·6	—
t Dungeness	21	49	27th	29	28th	42·0	34·9	38·5	- 5·2	3	0·30	8	- 7	Margate	1·8	+0·4	22	5	22	39·7	- 5·2	48·4	+0·6
h St. Leonards	178	49	28th	33	1, 3	41·3	36·0	38·7	- 5·1	2	0·51	13	- 4	Folkestone	2·2	—	27	—	—	—	—	50·9	—
p Southampton	64	53	29th	34	27th	46·0	38·0	42·0	- 1·6	3	0·46	12	- 7	St. Leonards	2·0	+0·1	24	1	27	41·1	—	49·6	—
a Ventnor	59	52	29th	36	3rd	47·0	42·0	44·5	- 1·2	3	0·73	19	+ 1	Southampton	1·0	- 0·7	12	2	29	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	46	29th	31	30, 1	41·0	33·3	37·2	- 5·0	4	0·24	6	- 6	Ventnor	1·1	- 0·8	13	—	—	—	—	—	—
a Westminster	27	46	29th	30	30th	42·3	33·4	37·9	- 5·3	2	0·37	9	- 3	Richmond	0·3	- 1·0	4	2	24	38·7	- 3·7	48·0	+0·2
ag Greenwich	149	45	29th	28	28th	40·3	31·0	35·7	- 6·4	3	0·30	8	- 4	Westminster	0·0	- 0·7	0	5	27	—	—	—	—
a Hampstead	450	44	28, 29	28	30, 1	41·3	31·9	36·6	—	3	0·31	8	—	Greenwich	0·9	- 0·3	11	5	24	—	—	—	—
ag Camden Square	110	44	29, 1	29	272830	40·6	31·4	36·0	- 6·4	4	0·31	8	- 5	Hampstead	0·1	—	1	6	23	—	—	—	—
7. *a*, ENGLAND, N.W.														Camden Square	—	—	—	5	24	39·4	—	47·3	—
p Aspatria (Mealsgate)	487	54	29th	28	27th	46·3	35·1	40·7	- 0·1	2	0·05	1	- 26	Aspatria	2·0	+0·6	26	3	18	41·9	+0·5	46·9	+0·3
p Newton Rigg	559	50	29th	26	27th	43·6	34·1	38·9	- 0·3	2	0·09	2	- 22	Newton Rigg	2·0	+0·8	26	4	18	—	—	—	—
p Stonyhurst	375	50	29th	33	27, 1	44·0	36·0	40·0	- 1·0	3	0·13	3	- 26	Stonyhurst	0·6	- 0·5	8	1	27	—	—	—	—
h Blackpool	66	52	29th	32	27th	44·6	37·6	41·1	- 1·0	2	0·11	3	- 18	Blackpool	0·8	- 0·5	11	2	27	43·8	—	48·7	—
h Southport	37	52	29th	27	27th	42·9	35·9	39·4	- 2·7	3	0·09	2	- 18	Southport	0·5	- 0·8	7	2	19	39·2	- 0·7	45·3	+0·7
														Hoylake	0·4	- 1·1	6	—	—	—	—	—	—
t Liverpool (Bidston)	188	51	29th	30	27th	43·6	34·9	39·3	- 3·5	3	0·07	2	- 14	Liverpool	0·9	—	12	4	20	—	—	—	—
a Hawarden Bridge	22	53	29th	26	27th	44·0	34·6	39·3	- 4·0	3	0·20	5	- 9	Manchester City	0·1	- 0·3	1	1	30	39·3	- 1·5	47·3	+0·2
p Manchester (Whit. Pk.)	125	52	29th	30	27th	45·0	36·6	40·1	- 1·3	4	0·17	4	- 14	„ Whit. Pk.	0·9	+0·4	12	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	57	29th	32	1st	45·6	38·6	42·1	- 2·5	1	0·03	1	- 19	Llandudno	1·0	- 0·6	12	—	—	—	—	—	—
t Holyhead	15	54	29th	38	1st	46·9	42·4	44·7	- 0·4	4	0·24	6	- 20	Holyhead	0·3	—	3	1	30	—	—	—	—
a Aberdovey	60	55	29th	34	1st	48·7	39·0	43·9	—	3	0·41	10	—	Aberdovey	0·9	- 0·8	11	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	56	29th	35	30, 1	47·6	40·3	44·0	—	3	0·25	6	—	Aberystwyth	1 3	− 0·3	16	—	—	—	—	—	—
a Rhayader	757	50	29th	27	27th	42·1	32·9	37·5	—	5	0·54	14	—	Rhayader ..	0·0	—	0	3	16	—	—	—	—
t Pembroke	149	54	28, 29	38	2, 3	47·4	43·4	45·4	− 0·4	3	0·15	4	− 20	Pembroke ..	0·4	− 1·3	5	—	—	—	—	—	—
p Cardiff	202	50	28, 29	33	30, 3	43·9	36·6	40·3	− 1·8	5	0·85	22	− 4	Cardiff ..	0·1	—	1	0	31	42·4	+0·7	49·1	+1·4
b, ENGLAND, S.W.																							
h Bath	66	52	29th	34	27, 28, 1, 3	44·6	36·3	40·5	− 1·7	5	0·86	22	+ 4	Bath	0·9	− 0·8	11	—	—	44·8	+0·8	49·9	+0·9
a Shaftesbury	722	47	28, 29	31	3rd	41·9	34·6	38·3	− 3·0	4	0·49	13	− 6	Shaftesbury ..	—	—	—	—	—	43·3	—	47·1	—
a Arlington	613	52	28th	33	3rd	45·1	40·1	42·6	+0·2	3	0·25	6	− 29										
h Newquay	190	56	27, 28	36	1, 3	50·1	43·7	46·9	+0·4	3	0·48	12	− 11	Newquay ..	0·9	− 1·0	11	—	—	50·8	—	53·2	—
a Cullompton	202	53	28, 29	35	3rd	46·6	40·9	43·8	+1·2	5	1·63	41	+19	Cullompton ..	0·2	− 1·3	3	0	32	47·9	—	—	—
t Portland Bill	19	55	29th	38	3rd	49·7	44·4	47·1	+0·9	4	0·27	7	− 9	Weymouth ..	0·5	—	6	—	—	—	—	—	—
p Plymouth	116	55	28, 29	36	3rd	50·6	44·7	47·7	+2·4	3	0·71	18	− 6	Plymouth ..	1·3	− 0·6	16	0	33	49·1	+3·4	52·6	—
t Falmouth	167	56	28th	40	1st	51·1	46·1	48·6	+2·4	5	0·67	17	− 14	Falmouth ..	0·8	− 1·3	9	0	35	51·4	—	53·8	—
9. IRELAND, N.																							
t Malin Head	208	55	29th	34	27th	48·4	41·4	44·9	+1·2	2	0·35	9	− 9	Malin Head ..	1·1	—	15	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a, West .. *a* Mallarany ..	120	55	29th	39	27, 3	48·1	40·9	44·5	—	4	0·58	15	—	Mallarany ..	0·5	—	6	0	32	—	—	—	—
p Markree Castle.. ..	122	56	29th	28	27th	49·9	39·9	44·9	+3·2	6	0·62	16	− 9	Markree Castle	0·5	− 0·8	6	1	24	47·3	+3·8	50·1	+1·8
p Armagh.. ..	204	55	29th	32	27th	48·1	39·9	44·0	+2·4	4	0·31	8	− 8	Armagh ..	0·7	− 0·7	10	1	25	46·3	+3·9	49·0	+2·2
b, East .. *t* Donaghadee	35	55	29th	43	1st	48·7	45·6	47·2	+4·1	4	0·27	7	− 10										
														Trinity Coll.	—	—	—	—	—	47·9	+4·5	49·7	+2·6
														Phœnix Park	0·3	− 1·4	4	1	26	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	56	29th	39	27th	50·3	43·6	47·0	+3·2	5	0·66	17	+ 3	Dublin City ..	—	—	—	0	33	—	—	—	—
t Birr Castle	175	55	29th	38	29th	48·0	41·9	45·0	+3·4	4	0·40	10	− 7	Birr Castle ..	0·0	− 1·5	0	0	31	—	—	—	—
a Kilkenny	195	55	28, 29	37	2nd	49·9	43·1	46·5	+4·5	3	0·73	19	+ 1										
a Waterford	137	56	29th	39	2nd	50·3	44·9	47·6	+3·9	7	1·61	41	+19										
p Seskin, Carrick-on-Suir	542	55	28th	38	1, 3	48·6	42·6	45·6	—	7	1·80	46	—	Seskin ..	0·2	—	3	0	34	—	—	—	—
a Foynes	50	56	29th	35	3rd	48·4	40·0	44·2	+0·4	4	0·52	13	− 11										
t Cahirciveen (Val. Obs.)	30	56	29th	37	2nd	52·1	42·4	47·3	+1·1	4	0·76	19	− 14	Cahirciveen ..	2·4	+0·8	29	0	32	—	—	—	—
a Killarney	174	56	29th	33	1st	50·9	40·4	45·7	+1·3	5	0·87	22	− 13	Ballinacurra	0·7	− 0·8	8	—	—	—	—	—	—
t Roche's Point	32	55	27, 29	39	2nd	51·1	46·0	48·6	+3·0	6	1·17	30	+ 4										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	58	27th	44	1st	53·3	48·7	51·0	+2·8	2	0·53	14	− 9	Scilly ..	1·1	− 0·8	13	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	51	28th	39	30th	48·6	44·6	46·6	− 0·1	2	0·22	6	− 19	St. Heliers ..	1·6	− 0·3	19	—	—	—	—	—	—
p Guernsey† ..	173	53	27th	40	30th	50·9	45·1	48·0	+1·3	1	0·04	1	− 26	Guernsey ..	0·3	− 1·4	4	0	35	48·3	+0·8	52·1	+0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 3rd, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s			
**Deerness (Cup Anr.) ..	188	16	5	—	0	1, 2	23	96	42	7	0	130	13	1	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	6	110	34	18	130	6	1	8	14	1	8	15
Aberdeen (Cup Anr.) ..	120	72	12	—	0	1	3	56	90	19	0	130	12	1	9	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	4	100	64	0	180	8	29	11	13	29	11	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	27	95	46	0	60	11	2	3	17	2	3	30
Paisley	188	81	15	—	0	—	0	55	53	60	0	90	7	2	20	16	2	0	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	44	76	25	23	120	8	2	8	14	1	9	35
South Shields	72	61	12	—	0	30, 1, 2	21	72	61	14	0	120	13	2	6	17	2	5	50
Spurn Head	67	41	‡	—	0	1 to 3	21	81	44	22	0	80	14	2	5	18	2	7	55
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	1 to 3	48	48	37	35	0	90	14	2	10	18	2	9	45
Shoeburyness	103	90	‡	—	0	2	1	84	46	37	0	80	11	2	6	14	2	0	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	30	102	36	0	70	9	2	2	13	2	2	20
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	2	4	52	88	1	23	—	12	2	12	18	2	11	45
Larkhill, S'y Plain ..	513	63	43	—	0	30, 2	5	126	33	0	4	110	13	30	12	17	30	12	25
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	57	47	64	0	80	9	2	13	16	2	22	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	2	2	84	76	6	0	60	11	2	6	—	—	—	—
Southport	80	62	48	—	0	2	1	80	84	3	0	80	11	2	12	16	2	13	45
Holyhead	60	40	‡	—	0	30 to 3	36	102	30	0	0	90	16	2	18	22	2	17	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	30	5	27 to 3	59	72	20	12	0	130	18	30	6	23	30	7	50
Plymouth	185	88	2	—	0	30	1	114	49	4	0	—	11	30	10	18	30	9	55
																	2	9	30
Lyme Regis	556	61	‡	—	0	30	1	71	66	0	30	—	12	30	17	15	30	16	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	27, 29, 30, 2	22	97	39	10	0	130	15	30	6	—	—	—	—
Quilty	100	40	‡	—	0	29, 30	17	46	73	32	0	—	17	30	6	24	30	10	15
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	29, 30	20	26	74	48	0	140	15	30	1	29	29	23	10
Weaver Pt.	160	30	‡	30	7	29, 30	11	57	77	16	0	—	19	30	6	26	30	8	35
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	30	2	29, 30	20	71	66	9	0	120	19	30	4	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-EIGHTH WEEK of 1921—November 27th to December 3rd, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station: Highest	Temperature of the Air. At any "D.-V." Station: Lowest	Temperature of the Air. Means of: Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Sunshine. Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	53	18	79·6	74·6	77·1	− 0.5	5	− 7	23	− 1	2	− 3	0·12	3	− 36	1·0	+0·1	14	1016
Eastern.																			
1. SCOTLAND, EAST ..	52	11	79·0	74·2	76·7	− 0·5	2	− 10	26	− 4	2	− 2	0·09	2	− 15	0·9	− 0·3	12	1017
2. ENGLAND, N.E. ..	52	22	79·4	74·6	77·0	− 1·2	4	− 11	24	+ 4	2	− 2	0·06	2	− 13	1·1	− 0·4	13	1016
3. ENGLAND, EAST ..	50	19	77·9	72·7	75·3	− 2·9	0	− 17	41	+20	3	− 1	0·16	4	− 11	1·8	+0·3	22	1015
4. MIDLAND COUNTIES	52	25	78·5	73·8	76·2	− 1·7	0	− 16	29	+ 5	3	− 1	0·34	9	− 8	0·4	− 1·0	5	1014
5. ENGLAND, S.E. ..	53	25	78·7	74·6	76·7	− 2·4	1	− 21	25	+10	3	− 1	0·41	10	− 8	1·3	− 0·2	16	1014
Western.																			
6. SCOTLAND, WEST ..	54	21	80·6	75·7	78·2	− 0·4	10	− 7	15	− 3	3	− 2	0·23	6	− 24	—	—	—	1016
7. ENGLAND, N.W. ..	57	26	80·1	75·6	77·8	− 1·0	8	− 11	17	+ 3	3	− 2	0·12	3	− 21	1·1	− 0·2	14	1012
8. ENGLAND, S.W. ..	56	27	80·9	77·4	79·2	− 0·4	14	− 11	6	− 6	4	− 1	0·64	16	− 10	0·7	− 1·0	9	1011
9. IRELAND, NORTH ..	56	28	82·2	78·4	80·3	+1·4	23	+ 3	1	− 14	4	− 1	0·39	10	− 12	0·6	− 0·8	8	1012
10. IRELAND, SOUTH ..	56	33	83·1	79·0	81 1	+1·5	32	+ 5	0	− 13	5	0	0·84	21	− 3	0·8	− 0·8	11	1009
11. ENGLISH CHANNEL..	58	39	83·5	80·8	82·2	+0·6	46	+ 6	0	− 2	2	− 3	0·26	7	− 18	1·0	− 0·8	12	1009
MEAN: DISTRICTS 1-10	57	11	80·0	75·6	77·9	− 0·8	9	− 10	18	0	3	− 1	0·33	8	− 13	1·0	− 0·5	12	1014

THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, November 27th to December 3rd, 1921.

0. SCOTLAND, NORTH ..	53	18	79·6	74·6	77·1	− 0·5	5	− 7	23	− 1	2	− 3	0·12	3	− 36	1·0	+0·1	14	1016
Eastern																			
1. SCOTLAND, EAST ..	52	11	79·0	74·2	76·7	− 0·5	2	− 10	26	− 4	2	− 2	0·09	2	− 15	0·9	− 0·3	12	1017
2. ENGLAND, N.E. ..	52	22	79·4	74·6	77·0	− 1·2	4	− 11	24	+ 4	2	− 2	0·06	2	− 13	1·1	− 0·4	13	1016
3. ENGLAND, EAST ..	50	19	77·9	72·7	75·3	− 2·9	0	− 17	41	+20	3	− 1	0·16	4	− 11	1·8	+ 0·3	22	1015
4. MIDLAND COUNTIES	52	25	78·5	73·8	76·2	− 1·7	0	− 16	29	+ 5	3	− 1	0·34	9	− 8	0·4	− 1·0	5	1014
5. ENGLAND, S.E. ..	53	25	78·7	74·6	76·7	− 2·4	1	− 21	25	+10	3	− 1	0·41	10	− 8	1·3	− 0·2	16	1014
Western.																			
6. SCOTLAND, WEST ..	54	21	80·6	75·7	78·2	− 0·4	10	− 7	15	− 3	3	− 2	0·23	6	− 24	—	—	—	1016
7. ENGLAND, N.W. ..	57	26	80·1	75·6	77·8	− 1·0	8	− 11	17	+ 3	3	− 2	0·12	3	− 21	1·1	− 0·2	14	1012
8. ENGLAND, S.W. ..	56	27	80·9	77·4	79·2	− 0·4	14	− 11	6	− 6	4	− 1	0·64	16	− 10	0·7	− 1·0	9	1011
9. IRELAND, NORTH ..	56	28	82·2	78·4	80·3	+ 1·4	23	+ 3	1	− 14	4	− 1	0·39	10	− 12	0·6	− 0·8	8	1012
10. IRELAND, SOUTH ..	56	33	83·1	79·0	81·1	+ 1·5	32	+ 5	0	− 13	5	0	0·84	21	− 3	0·8	− 0·8	11	1009
11. ENGLISH CHANNEL..	58	39	83·5	80·8	82·2	+ 0·6	46	+ 6	0	− 2	2	− 3	0·26	7	− 18	1·0	− 0·8	12	1009
MEAN: DISTRICTS 1-10..	57	11	80·0	75·6	77·9	− 0·8	9	− 10	18	0	3	− 1	0·33	8	− 13	1·0	− 0·5	12	1014

THE YEAR. Aggregates, &c., for the Period of 48 Weeks, January 2nd to December 3rd, 1921.

0. SCOTLAND, NORTH ..	81	16	84·7	78·4	81·4	+ 0·5	2207	+134	429	−228	208	−16	44·94	1143	− 18	3·2	− 0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·6	78·0	81·6	+ 0·6	2428	+134	565	−203	173	−17	23·81	604	−114	4·2	+ 0·3	33	1015
2. ENGLAND, N.E. ..	92	15	87·2	79·5	83·2	+ 1·2	3213	+564	344	−213	137	−35	16·34	420	−159	4·6	+ 0·4	37	1017
3. ENGLAND, EAST ..	91	19	88·3	79·9	83·9	+ 1·3	3668	+624	338	−245	110	−57	11·98	306	−247	5·3	+ 0·7	42	1018
4. MIDLAND COUNTIES	93	13	88·3	79·3	83·6	+ 1·3	3491	+557	384	−255	127	−39	16·40	420	−196	4·7	+ 0·6	37	1018
5. ENGLAND, S.E. ..	91	14	88·8	80·5	84·4	+ 1·2	3836	+571	261	−182	112	−51	12·23	312	−316	5·4	+ 0·6	43	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·2	79·4	82·6	+ 0·7	2882	+341	303	−202	191	− 8	42·12	1070	− 1	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	87·0	80·2	83·5	+ 1·1	3262	+486	242	−204	156	−27	25·81	658	−154	4·6	+ 0·5	37	1017
8. ENGLAND, S.W. ..	89	11	88·1	80·7	84·3	+ 1·2	3695	+597	177	−175	139	−44	21·18	539	−340	5·1	+ 0·6	40	1019
9. IRELAND, NORTH ..	86	23	86·8	80·2	83·4	+ 1·2	3138	+487	174	−237	196	−22	30·39	771	−107	3·7	0·0	29	1016
10. IRELAND, SOUTH ..	90	21	87·9	80·9	84·3	+ 1·2	3635	+566	136	−183	190	− 4	30·02	765	−146	4·2	0·0	33	1018
11. ENGLISH CHANNEL..	87	30	88·7	83·0	85·9	+ 1·5	4355	+677	29	− 81	134	−56	15·54	396	−344	5·9	+ 0·5	47	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·4	79·9	83·5	+ 1·1	3325	+493	292	−210	153	−30	23·03	587	−178	4·6	+ 0·4	37	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
9th December, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 1921

British Meteorological and Magnetic Year-Book. Part I.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 49.

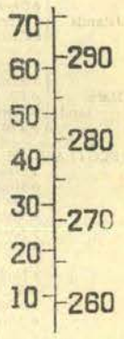
FORTY-NINTH WEEK.

SUNDAY, DECEMBER 4TH, TO SATURDAY, DECEMBER 10TH, 1921.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again of a very unsettled character. Monday was fine and bright at many stations in the Eastern and North-Western parts of England but for the remainder of the week the weather was cloudy or dull in most parts of the country, with fog in several places. Rainfall varied a good deal but was below the normal in all districts with the exception of Scotland N. and Scotland W., where at a few stations rather large amounts were recorded. Among the heaviest falls were 54mm. at Fort William on the 5th and 24mm. at Eskdalemuir on the 6th, while on the 4th, 6th and 7th Ford (Argyle) had a fall of more than 20mm. on each day. Mean temperature was above the normal in all districts, the excess ranging from 4.6a in Ireland N. to 1.1a in the English Channel. On the first day of the week low temperatures were recorded in most parts of the British Islands, the maximum temperatures at a large number of stations failing to rise above 275a. On the previous night minima below 269a were registered in many places, the actual lowest being 266a at Hodsock Priory (Worksop), while the grass minimum thermometer recorded readings below 264a in many parts of the Kingdom. After Sunday there was a decided rise in temperature and the weather became exceedingly mild for the time of year, the difference between the maximum readings of Sunday and Tuesday at many stations being as much as 11a (20°F.), and in several instances the night minima did not fall below 283a. The largest amounts of sunshine recorded on the 4th were 6·3 hours at Aberystwyth, 6·2 hours at Skegness and 6·1 hours at Llandudno and Aberdovey. At several other stations 5 hours or more were registered on this day. The mean amount for the week was however below the normal at nearly all stations. Solar halos were observed at Greenwich on the 9th and at Ross-on-Wye on the 10th. Lunar halos were seen at Dundee on the 10th, and at Oxford on each day from the 7th to 10th inclusive. A sun pillar was witnessed at Oxford on the 4th.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	19	4·5	21	4·3	12	1·5	15	1·5	21	4·6	9	4·5	28	4·1	25	4·3
North	6	2·6	0	—	11	1·3	6	1·1	2	1·6	9	1·6	0	—	3	2·0
West	19	5·4	21	7·8	22	3·5	22	2·4	25	4·8	21	4·7	24	5·7	17	3·4
East	4	5.1	0	—	4	6·5	3	3·7	1	1·6	2	1·7	3	1·5	8	2·7
Calm	2	—	5	—	2	—	3	—	1	—	1	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Very Unusual	Very Unusual	Very Unusual	Unusual	Unusual	Moderate	Very Unusual	Unusual	Unusual	Very Unusual	Very Unusual	Unusual
	Rainfall ..	Heavy	Light	Light	Very Light	Light	Very Light	Heavy	Moderate	Very Light	Moderate	Light	Light
	Sunshine ..	Scanty	Moderate	Moderate	Scanty	Scanty	Very Scanty	—	Moderate	Scanty	Very Scanty	Very Scanty	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 2 weeks from Nov. 27th, 1921.	Warmth ..	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	1, 0, 1	0, 1, 1	1, 1, 0	1, 1, 0	1, 1, 0	2, 0, 0	2, 0, 0	1, 1, 0
	Rainfall ..	1, 0, 1	0 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 0, 2
	Sunshine ..	0, 1, 1	0, 2, 0	0, 2, 0	0, 1, 1	0, 0, 2	0, 1, 1	—	0, 2, 0	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature. Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from average	Earth 4 ft.: Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
t Lerwick	54	51	10th	40	5, 9	48·1	42·7	45·5	+5·6	6	1·54	39	+ 7									
p Deerness, Orkney	165	52	7, 8	38	4th	50·1	43·3	46·8	+7·0	7	2·25	57	+28	Deerness	0·4	- 0·4	6	—	—	—	—	—
a, Islands *t* Stornoway	51	55	5th	39	9th	52·0	44·6	48·5	+8·6	7	2·01	51	+ 8	Stornoway	0·1	- 0·8	1	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—
t Wick	81	53	6th	35	4th	49·0	42·3	45·8	+6·9	7	1·19	30	+ 8									
a Strathpeffer	125	55	8, 10	25	4, 5	52·0	35·4	44·0	+6·1	4	0·66	17	- 6									
b, Main- *p* Glencarron	500	52	5, 6, 8, 10	27	4th	49·3	40·1	44·9	+7·1	7	4·95	126	+55									
land. *a* Fort Augustus	68	55	8, 9	26	4th	50·4	36·4	43·7	+5·3	7	1·66	42	+ 4									
p Fort William	171	56	8th	29	4th	51·6	42·1	47·0	+7·4	7	4·42	112	+45									
1. SCOTLAND, E.																						
t Nairn	82	55	5, 8	27	4th	50·9	41·3	46·3	+8·2	6	0·51	13	- 5	Nairn	0·9	—	14	—	—	—	—	—
p Gordon Castle	101	58	8th	26	4th	52·7	40·6	46·9	+7·8	5	0·40	10	- 11	Gordon Castle	1·2	—	17	—	—	—	—	—
t Aberdeen	46	58	8th	36	5th	50·3	43·1	46·8	+7·8	4	0·44	11	- 14	Aberdeen	1·2	- 0·2	18	2	28	—	—	45·0	+1·8
a Balmoral	930	55	6, 8	28	4th	50·1	37·7	44·2	+8·9	5	0·20	5	- 22	Balmoral	—	—	—	3	25	—	—	—	—
p Crieff	432	58	8th	29	4th	51·3	40·3	46·0	+7 9	5	0·29	7	- 28	Crathes	1·7	+0·3	24	4	27	42·0	—	43·7	—
a Dundee	244	55	8th	27	5th	50·4	35·3	43·2	+5·1	2	0·16	4	- 16	Dundee	1·3	—	19	3	20	40·7	—	—	—
t Inchkeith (F. of Forth)	190	54	6, 8	35	5th	50·4	44·4	47·5	—	4	0·14	4	—	Inchkeith (F. of Forth)	—	—	—	2	28	—	—	—	—
p Edinburgh	441	54	5, 6, 8, 10	32	4th	51·4	43·3	47·5	+8·3	4	0·17	4	- 13	Edinburgh	1·3	- 0·4	18	2	22	—	—	—	—
a West Linton	769	55	6, 7, 9	25	4th	52·7	34·9	44·2	+9·1	7	0·77	20	—	West Linton	—	—	—	4	18	—	—	—	—
a Marchmont	498	54	8, 10	29	5th	49·9	39·0	44·7	+7·1	4	0·23	6	- 16	Marchmont	1·5	+0·1	21	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	54	5, 8	30	4th	52·5	42·6	47·8	—	7	4·39	111	—	Ford (Argyll)	—	—	—	2	24	44·2	—	46·9	—
t Renfrew	49	54	6, 8, 9	22	4th	49·6	40·4	45·2	—	7	0·88	22	—	Renfrew	0·2	—	3	2	13	—	—	—	—
p Rothesay	200	55	5, 6	35	4th	51·6	43·3	47·6	+6 6	7	1·91	48	+10	Rothesay	0·4	—	6	1	30	43·6	—	46·3	+1·6
a Kilmarnock	90	55	5th	26	4th	52·0	40·0	46·2	+6·9	7	1·48	38	+ 9	Kilmarnock	0·5	—	7	—	—	43·3	—	46·4	—
a Coimonell	170	54	5, 6, 8, 9	29	4th	52·4	42·3	47·6	+6·6	7	1·47	37	- 2	Colmonell	—	—	—	1	27	—	—	—	—
p Dumfries	160	55	6, 8, 9	27	4th	52·0	41·3	46·9	+7·4	5	0·91	23	- 5	Dumfries	0·6	—	9	3	16	42·4	+2·7	44·8	+1·2
t Eskdalemuir	794	53	8th	22	5th	48·4	39·0	43·9	—	7	1·63	42	—	Eskdalemuir	0·9	—	12	2	17	—	—	—	—
b, I. OF MAN *h* Douglas	284	54	9, 10	39	4, 5	51·4	46 3	49·0	+6·4	7	0 90	23	- 12	Douglas	0·9	- 0·6	13	0	35	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	57	6, 8	28	4th	53·8	38·7	46·6	+7·0	3	0·34	9	- 13	Cockle Park	1·6	0·0	21	—	—	42·1	+3·9	43·7	+1·4
t Tynemouth	118	55	6, 8	31	5th	51·0	43·4	47·4	+7·1	3	0·20	5	- 11									
p Durham	336	55	9, 10	22	4th	51·0	40·3	45·9	+7·0	4	0·18	5	- 10	Durham	1·1	- 0·3	15	3	11	—	—	—	—
a N n *p* Rounton	249	56	6, 7, 9	23	4th	51·9	38·9	45·7	+6·9	6	0·44	11	- 5	Rounton	—	—	—	3	16	41·6	—	—	—
a West Witton	605	53	6, 9, 10	25	4, 5	49·9	38·6	44·5	—	3	0·45	11	—	West Witton	—	—	—	3	19	40·1	—	43·9	—
h Scarborough	118	58	7th	29	5th	50·6	42·3	46·6	+5·8	4	0·18	5	- 13	Scarborough †	1·2	0·0	16	—	—	—	—	45·6	—
p York	56	55	6, 9	24	4th	49·0	40·3	44·8	+5·0	4	0·23	6	- 10	York	0·6	- 0·3	8	—	—	42·3	+0·6	46·2	+0·4
, South *t* Spurn Head	26	51	6th	30	5th	47·0	41·1	44·2	+3·1	4	0·14	4	- 11	Spurn Head	1·3	—	17	—	—	—	—	—	—
a Lincoln	58	58	8th	27	5th	50·9	38·7	45·0	+5·6	5	0·18	5	- 11	Lincoln	—	—	—	3	26	40·9	+0·8	45·5	0·0
t Cranwell	237	54	9th	24	5th	47·3	38·4	43·0	+3·5	4	0·13	3	- 14	Cranwell	0·4	- 1·1	5	2	15	—	—	—	—
														Skegness	1·6	- 0·2	20	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	54	9th	25	5, 6	49·6	37·6	43·8	+2·8	4	0·07	2	- 12	Cromer	1·4	0·0	18	—	—	—	—	—	—
a Little Massingham	277	53	9, 10	26	5th	48·3	36·9	42·8	+3·8	4	0·04	1	- 18	Lit Massingham	1·0	- 0·3	13	—	—	—	—	—	—
t Yarmouth	13	54	9th	27	5th	47·6	40·3	44·1	+3·3	1	0·05	1	- 16	Yarmouth	1·5	—	20	1	27	41·9	0·0	46·1	- 0·6
a Norwich	93	54	9th	25	5th	49 0	38·1	43·8	+3·7	1	0·05	1	- 17	Norwich	1·2	—	15	3	18	38·3	—	—	—
a Geldeston	37	56	9th	24	5th	50·1	36 9	43·8	+3·0	1	0·04	1	- 15	Geldeston	1·2	- 0·4	15	—	—	—	—	—	—
p Cambridge	41	54	6th	26	5th	47·9	37·9	43·1	+3 0	1	0·04	1	- 13	Cambridge	0·4	- 1·0	5	2	23	41·6	- 0·3	46·9	+0·2
t Clacton-on-Sea	54	56	9th	25	5th	46·7	38·7	42·9	+2·0	1	0·01	0·2	- 13	Clacton-on-Sea	0·4	- 1·2	5	1	21	41·9	- 2·2	47·3	- 0·8
a Rothamsted	420	53	9th	26	5th	48·0	37·4	42·9	+2·9	0	0·00	0	- 19	Rothamsted	0·8	- 0·7	10	3	15	40·9	—	—	—
p Tottenham	51	55	9th	30	5th	49·0	41·9	45·6	—	0	0·00	0	—	Tottenham	0·3	—	4	—	—	—	—	46·6	- 1·4
														Southend	0·3	—	4	1	27	41·2	- 2·0	—	—
4. MIDLAND COUNTIES.																						
a North *h* Harrogate	479	54	6th	27	4, 5	50*0	38·7	44·6	+5·7	6	0·54	14	- 5	Harrogate	1·2	- 0·2	16	2	19	42·0	+1·2	43·2	0·0
p Sheffield	429	57	6th	26	4th	50·6	41·3	46 1	—	4	0·41	11	—	Sheffield	0·3	- 0 9	4	2	20	41·4	+0·5	44·9	- 0·7
p Buxton	987	52	6th	25	5th	46·0	39·0	42 6	+5·1	7	1·17	30	- 5	Buxton	0·2	—	3	2	24	40·4	+1·1	45·0	+0·3
a Worksop	56	56	6, 9	20	4th	51·1	37·0	44 3	+4·5	4	0·25	6	- 9	Worksop	0·5	- 0·6	7	2	14	41·2	—	44·7	—
t Nottingham	82	55	9th	26	4th	48 4	39·7	44·2	+4·2	4	0·28	7	- 8	Nottingham	0·5	- 0·5	7	3	24	42·1	+2·0	42·9	- 1·0
b, East *p* Birmingham, Edgbsn.	525	54	9, 10	27	5th	48·1	39·9	44·2	+4·2	2	0·05	1	- 16	Birmingham	0·2	- 0·8	3	2	24	42·6	+0·2	47·6	+0·6
a Raunds	213	55	9th	25	5th	49·3	38·1	43·9	+4·8	1	0·03	1	- 14	Raunds	0·1	—	1	3	17	41·8	—	—	—
p Oxford	208	54	9th	29	5th	48·7	40·3	44·7	+4·0	0	0·00	0	- 16	Oxford	0·6	- 0·9	8	2	23	—	—	—	—
														Malvern	0·8	—	10	2	25	42·1	—	46*8	—
a Cheadle (N. Staffs.)	646	52	9th	26	4, 5	48·1	37·0	42·8	+4·0	5	0·32	8	- 13	Cheadle	—	—	—	2	15	—	—	—	—
e, West *p* Tenbury	313	58	9th	29	5th	50.0	41·7	46·0	+5·4	2	0·06	2	- 12	Tenbury	—	—	—	2	23	42·5	—	—	—
a Hereford	291	57	9th	29	5th	49·0	39·4	44·4	+4·0	1	0·02	1	- 17	Ross on Wye	1·0	—	13	2	28	42·2	—	46·8	—
a Clifton	225	57	10th	30	5th	50·1	40 7	45·6	+3·6	2	0·07	2	- 22	Clifton	0·2	—	3	1	28	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	59	6th	29	5th	49·9	37 0	43·7	+3·8	3	0·04	1	- 24	Worthing	0·6	- 1·2	8	0	31	43·2	- 1·1	48·6	+0·2
a Porton	340	54	9th	29	5th	49·0	38·3	43·9	—	0	0·00	0	—	Marlborough	0·1	- 1·1	1	2	29	43·9	—	48·8	—
a Wisley, Surrey	150	55	9th	28	5th	50·1	38·9	44·7	+3·7	0	0·00	0	- 18	Porton	—	—	—	2	29	43·2	—	—	—
h Tunbridge Wells	354	54	9, 10	26	5th	47·7	38·6	43·3	+2·0	1	0·02	1	- 25	Wisley, Surrey	0·5	- 0·9	6	2	19	42·5	- 0·4	46·4	- 0·3
h Margate	51	53	9th	31	5th	47·1	39·4	43·4	+0·8	0	0·00	0	- 17	Tunbridge Wells	0·3	- 1·2	4	3	15	43·0	+1·2	47·3	—
														Margate	0·1	- 1·2	2	3	25	41·9	- 2·7	46·7	- 0·4
t Dungeness	21	57	7th	25	5th	48·0	39.4	43·9	+0·9	2	0·04	1	- 20	Folkestone	0·3	—	4	3	25	—	—	49·0	—
h St. Leonards	178	54	7th	26	5th	47·1	39·0	43·2	+0·2	4	0·19	5	- 18	St. Leonards	0·2	- 1·5	3	1	23	42·1	—	48·2	—
p Southampton	64	57	10th	31	5th	50·1	41·9	46·2	+3·3	2	0·04	1	- 25	Southampton	0·3	- 1·3	4	1	29	—	—	—	—
a Ventnor	59	54	9th	33	5th	50·4	42·0	46·4	+1·3	4	0·13	3	- 22	Ventnor	0·4	- 1·3	5	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	54	9th	31	5th	49·6	39·9	44·9	+3·4	0	0·00	0	- 17	Richmond	0·3	- 0·9	4	1	29	41·2	- 1·4	46·9	- 0·2
a Westminster	27	53	7, 9	30	5th	50 7	40·4	45·8	+3·3	0	0 00	0	- 16	Westminster	0·1	- 0·5	1	2	29	—	—	—	—
ag Greenwich	149	54	6, 9	29	5th	50·0	39·7	45·1	+3·7	0	0·00	0	- 17	Greenwich	0·2	- 0·9	2	2	29	—	—	—	—
a Hampstead	450	53	9th	27	5th	47·7	39·1	43·6	—	0	0 00	0	—	Hampstead	0·3	—	4	2	23	—	—	—	—
ag Camden Square	110	55	9th	29	5th	50·4	39·4	45·1	+3·4	0	0·00	0	-18	Camden Square	—	—	—	3	27	41·8	—	46·2	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	52	5, 6, 8	29	4, 5	50·4	39·0	44·9	+4·9	7	1·50	38	+ 8	Aspatria	0·9	- 0·3	12	2	24	43·6	+2·4	46·2	+0·3
p Newton Rigg	559	55	6th	28	4, 5	51·7	40·7	46·4	+8·0	6	0·74	19	- 9	Newton Rigg	1·3	+0·2	17	3	18	—	—	—	—
p Stonyhurst	375	52	6th	29	5th	49·4	40·4	45·1	+5·0	7	1·55	39	+ 6	Stonyhurst	0·6	- 0·3	8	3	24	—	—	—	—
h Blackpool	66	52	6th	28	4, 5	48 7	40·7	44·9	+3·7	7	0·55	14	- 9	Blackpool	0·6	- 0·6	8	3	18	43·7	—	47·8	—
h Southport	37	54	6th	27	4th	47·2	40·9	44·2	+3·0	7	0·38	10	- 12	Southport	0·8	- 0·4	10	2	19	41·0	+1·1	44·3	+0·5
														Hoylake	0·8	- 0·5	11	—	—	—	—	—	—
t Liverpool (Bidston)	188	56	6th	28	4, 5	50·7	41·0	46·0	+4·0	3	0·20	5	- 13	Liverpool	0·9	—	12	2	19	—	—	—	—
a Hawarden Bridge	22	57	6, 9	28	4th	53·1	41·1	47·3	+4·8	4	0·16	4	- 12	Manchester City	0·0	- 0·3	0	2	27	40·9	0·0	46·0	- 0·1
p Manchester (Whit. Pk.)	125	54	6, 9	27	5th	49·7	40·4	45·2	+3·9	7	0·72	18	- 3	„ Whit. Pk.	0·3	- 0·1	4	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	56	6th	30	5th	51·9	43·9	48·1	+4·3	5	0·23	6	- 15	Llandudno	1·3	- 0·1	17	—	—	—	—	—	—
t Holyhead	15	55	6, 8, 9	32	4th	52·7	46·7	49·8	+5 5	7	0·71	18	- 11	Holyhead	0 9	—	12	1	21	—	—	—	—
a Aberdovey	60	52	6, 7, 10	31	5th	50·1	42·7	46·6	—	5	0·44	11	—	Aberdovey	1·1	- 0·3	14	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.			Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	53	6th	30	4th	50·6	43·1	47·0	—	6	0·25	6	—	Aberystwyth		1·2	- 0·2	16	—	—	—	—	—	—
a Rhayader	757	53	6th	27	4, 5	49·0	38·7	44·1	—	5	0·30	8	—	Rhayader ..		0·9	—	11	2	17	—	—	—	—
t Pembroke	149	55	6, 9	33	4th	51·6	46·4	49·1	+3·6	4	0·24	6	- 27	Pembroke ..		0·4	- 1·2	5	—	—	—	—	—	—
p Cardiff	202	54	9th	31	4, 5	48·9	42·4	45·8	+4·1	3	0·11	3	- 32	Cardiff ..		0·2	—	3	0	31	43·5	+0·6	48·2	+1·2
b, ENGLAND, S.W.																								
h Bath	66	54	9, 10	31	5th	50·0	39·4	44·9	+3·1	2	0·05	1	- 23	Bath		0·2	- 1·4	3	—	—	44·5	+0·6	48·9	+0·7
a Shaftesbury	722	51	6, 8	27	4th	47·6	38·4	43·2	+2·5	4	0·13	3	- 23	Shaftesbury ..		—	—	—	—	—	42·8	—	48·0	—
a Arlington	613	52	6, 9	31	4th	49·1	41·5	45·5	+3·5	5	0·58	15	- 33											
h Newquay	190	54	6, 9	31	4th	51·6	45·3	48·6	+2·4	5	0·35	9	- 22	Newquay ..		0·0	- 1·8	0	—	—	48·8	—	52·4	—
a Cullompton	202	56	9th	33	5th	51·3	43·0	47·3	+5·1	3	0·10	3	- 28	Cullompton ..		0·2	- 1·3	2	1	30	46·3	—	—	—
t Portland Bill	19	56	7–9	31	4th	52·1	42·6	47·5	+1·8	3	0·23	6	- 15	Weymouth ..		0·3	—	3	—	—	—	—	—	—
p Plymouth	116	55	7, 9	30	4th	51·3	45·1	48·3	+3·3	5	0·21	5	- 29	Plymouth ..		0·3	- 1·5	3	1	24	46·6	+0·7	51·3	—
t Falmouth	167	56	7th	36	4th	51·0	46·0	48·6	+2·7	5	0·22	6	- 38	Falmouth ..		0·1	- 1·8	2	0	34	49·1	—	52·5	—
9. IRELAND, N.																								
t Malin Head	208	55	5, 6	39	4th	52·3	47·6	50·0	+7·5	6	1·14	29	+ 6	Malin Head ..		0·3	—	5	—	—	—	—	—	—
t Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—											
a, West .. *a* Mallarany ..	120	56	6th	39	4th	54·4	48·1	51·4	—	7	2·22	56	—	Mallarany ..		0·6	—	8	0	35	—	—	—	—
p Markree Castle.. ..	122	56	5, 6	34	4th	53·6	45·9	49·9	+9·3	6	0·70	18	- 13	Markree Castle		0·1	- 1·2	1	1	27	47·8	+4·7	50·0	+2·5
p Armagh..	204	55	6th	31	4th	52·1	45·6	49·0	+8·5	5	0·46	12	- 9	Armagh ..		0·5	- 0·9	7	1	24	46·6	+4·6	48·5	+2·4
b, East .. *t* Donaghadee	35	55	5–9	42	5th	53·6	47·1	50·5	+8·5	6	0·77	20	- 1											
														Trinity Coll.		—	—	—	—	—	47·3	+4·3	49·1	+2·7
10. IRELAND, S.														Phœnix Park		0·5	- 1·2	7	1	21	—	—	—	—
p Dublin City	54	56	5, 6, 9, 10	31	4th	53·6	45·9	49·9	+6·7	3	0·14	4	- 13	Dublin City ..		—	—	—	1	27	—	—	—	—
t Birr Castle	175	56	5, 6	35	4th	52·7	46·4	49·7	+8·5	3	0·41	10	- 11	Birr Castle ..		0·3	- 1·2	4	1	30	—	—	—	—
a Kilkenny	195	56	5th	28	4th	54·0	43·4	48·9	+7·5	1	0·09	2	- 20											
a Waterford	137	56	5th	34	4th	54·1	43·1	48·8	+5·6	4	0·63	16	- 12											
p Seskin, Carrick-on-Suir	542	55	5th	34	4th	52·3	45·0	48·8	—	4	0·14	4	—	Seskin ..		0·4	—	6	1	29	—	—	—	—
a Foynes	50	57	5th	39	4th	55·0	46·9	51·1	+7·8	5	0·52	13	- 16											
t Cahirciveen (Val. Obs.)	30	56	5, 6	47	4th	54·3	51·3	52·9	+7·1	7	0·77	20	- 21	Cahirciveen ..		0·1	- 1·4	1	0	43	—	—	—	—
a Killarney	174	59	5th	43	4th	56·4	47·8	52·3	+8·3	6	0·65	17	- 27	Ballinacurra		0·1	- 1·4	1	—	—	—	—	—	—
t Roche's Point	32	55	5,6,8,9	45	4th	53·7	49·0	51·4	+6·3	5	0·59	15	- 17											
11. ENGLISH CHANNEL.																								
t Scilly, St. Mary's ..	131	55	9th	43	4th	53·0	48·6	50·9	+2·9	5	0·30	8	- 24	Scilly ..		0·1	- 1·8	2	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	56	9th	36	6th	49·7	43·9	46·9	+0·7	4	0·28	7	- 25	St. Heliers ..		0·1	- 1·9	1	—	—	—	—	—	—
p Guernsey† ..	173	56	7–10	42	4–6	51·9	46·7	49·4	+3·2	3	0·26	7	- 28	Guernsey ..		0·4	- 1·4	5	0	36	47·7	+0·4	51·4	+0·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 10th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s.			
**Deerness (Cup Anr.) ..	188	16	5	—	0	6 to 9	20	88	50	9	1	210	15	6	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	4	150	14	0	?	8	6	23	22	6	23	25
Aberdeen (Cup Anr.) ..	120	72	12	—	0	6	2	22	116	28	0	310	15	6	24	—	—	—	—
Edinburgh	485	39	31	—	0	5 to 8	29	97	15	27	0	220	14	6	18	22	6	22	20
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	6, 8	15	79	43	31	0	230	14	6	21	24	6	23	10
Paisley	188	81	15	—	0	6	1	80	62	25	0	290	11	6	21	21	6	21	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	65	79	24	0	220	11	6	14	19	6	22	50
South Shields	72	61	12	—	0	6 to 8	15	75	70	8	0	280	15	6	24	25	6	23	0
Spurn Head	66	40	‡	—	0	6 to 9	16	73	78	1	0	260	13	7	3	18	7	0	10
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	4	3	28	118	19	0	90	12	4	1	15	4	1	20
Shoeburyness	103	90	‡	—	0	—	0	42	123	3	0	230	9	7	1	13	7	1	5
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	9	86	73	0	220	8	6	23	14	6	22	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	18	136	14	0	—	7	6	21	11	6	20	45
Larkhill, S'y Plain ..	513	63	‡	—	0	8	8	83	70	0	7	—	14	8	17	18	8	17	15
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	10	135	23	0	220	7	6	21	12	6	21	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	6, 8	5	96	65	2	0	220	12	6	22	—	—	—	—
Southport	80	62	48	—	0	6 to 8	20	89	54	5	0	240	15	6	22	21	6	19	0
Holyhead	60	40	‡	—	0	6, 7, 9	14	104	49	1	0	230	13	6	18	20	6	17	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	7, 10	2	85	78	3	0	220	11	10	23	16	6	20	25
Plymouth	185	88	2	—	0	—	0	13	137	18	0	—	7	6	16	10	6	16	50
Lyme Regis	556	61	‡	—	0	—	0	18	113	24	13	—	9	8	15	13	8	14	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	6 to 8	33	73	61	1	0	250	16	8	11	—	—	—	—
Quilty	100	40	‡	—	0	6, 10	6	136	26	0	0	—	12	10	23	19	10	19	30
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	6	5	94	68	1	0	200	12	6	11	20	6	10	55
Weaver Pt.	160	30	‡	—	0	6, 10	12	65	90	1	0	—	13	6	11	21	6	14	35
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	32	‡	—	0	—	0	70	96	2	0	270 / 280	10	8	7 / 19	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.]

* Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-NINTH WEEK of 1921—December 4th to December 10th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	56	25	83·2	77·7	80·6	+3.8	29	+20	4	− 25	6	0	2·35	60	+18	0·2	− 0·6	3	1012
Eastern.																			
1. SCOTLAND, EAST ..	58	25	83·6	77·6	80·7	+4·3	32	+24	5	− 29	5	0	0·37	9	− 15	1·3	0·0	19	1015
2. ENGLAND, N.E. ..	58	22	83·2	77·6	80·5	+3·0	30	+20	5	− 21	4	0	0·22	6	− 11	1·1	− 0·3	14	1021
3. ENGLAND, EAST ..	56	24	82·2	76·6	79·4	+1·7	21	+ 7	10	− 17	1	− 4	0·03	1	− 15	0·9	− 0·5	11	1023
4. MIDLAND COUNTIES	58	20	82·6	77·1	79·9	+2·5	25	+11	8	− 22	3	− 2	0·16	4	− 14	0·6	− 0·7	8	1024
5. ENGLAND, S.E. ..	59	25	82·4	77·1	79·9	+1·2	24	+ 3	7	− 12	2	− 3	0·05	1	− 23	0·3	− 1·1	4	1025
Western.																			
6. SCOTLAND, WEST ..	55	22	83·9	78·7	81·4	+3·5	36	+22	0	− 19	7	+2	1·71	43	+ 3	—	—	—	1019
7. ENGLAND, N.W. ..	57	27	83·4	78·3	81·0	+2·7	32	+17	1	− 19	6	+1	0·70	18	− 8	1·0	− 0·2	13	1022
8. ENGLAND, S.W. ..	56	27	83·1	78·8	81·0	+1·6	31	+ 6	0	− 13	4	− 1	0·22	6	− 30	0·4	− 1·2	5	1025
9. IRELAND, NORTH ..	56	31	84·6	81·1	82·9	+4·6	55	+40	0	− 21	5	− 1	0·70	18	− 9	0·3	− 1·1	4	1018
10. IRELAND, SOUTH ..	59	28	85·3	81·2	83 3	+4·0	60	+35	0	− 15	4	− 1	0·48	12	− 17	0·2	− 1·4	3	1023
11. ENGLISH CHANNEL..	56	36	83·8	81·0	82·5	+1·1	50	+11	0	− 3	4	− 2	0·28	7	− 26	0·2	− 1·7	2	1027
MEAN: DISTRICTS 1-10	59	20	83·4	78·4	81·0	+2·9	35	+19	4	− 19	4	− 1	0·46	12	− 14	0·7	− 0·7	9	1022

THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, November 27th to December 10th, 1921.

0. SCOTLAND, NORTH ..	56	18	81·4	76·2	78·9	+ 1·7	34	+13	27	− 26	8	− 3	2·47	63	− 18	0·6	− 0·2	9	1014
Eastern																			
1. SCOTLAND, EAST ..	58	11	81·3	75·9	78·7	+ 1·9	34	+14	31	− 33	7	− 2	0·46	11	− 30	1·1	− 0·2	16	1016
2. ENGLAND, N.E. ..	58	22	81·3	76·1	78·8	+ 0·9	34	+ 9	29	− 17	6	− 2	0·28	8	− 24	1·1	− 0·3	14	1019
3. ENGLAND, EAST ..	56	19	80·1	74·7	77·4	− 0·6	21	− 10	51	+ 3	4	− 5	0·19	5	− 26	1·3	− 0·2	17	1019
4. MIDLAND COUNTIES	58	20	80·6	75·5	78·1	+ 0·4	25	− 5	37	− 17	6	− 3	0·50	13	− 22	0·5	− 0·8	6	1019
5. ENGLAND, S.E. ..	59	25	80·6	75·9	78·3	− 0·6	25	− 18	32	− 2	5	− 4	0·46	11	− 31	0·8	− 0·7	10	1020
Western.																			
6. SCOTLAND, WEST ..	55	21	82·3	77·2	79·8	+ 1·5	46	+15	15	− 22	10	0	1·94	49	− 21	—	—	—	1018
7. ENGLAND, N.W. ..	57	26	81·8	77·0	79·4	+ 0·8	40	+ 6	18	− 16	9	− 1	0·82	21	− 29	1·0	− 0·2	13	1017
8. ENGLAND, S.W. ..	56	27	82·0	78·1	80·1	+ 0·6	45	− 5	6	− 19	8	− 2	0·86	22	− 40	0·6	− 1·0	7	1018
9. IRELAND, NORTH ..	56	28	83·4	79·8	81·6	+ 3·0	78	+43	1	− 35	9	− 2	1·09	28	− 21	0·6	− 0·8	6	1015
10. IRELAND, SOUTH ..	59	28	84·2	80·1	82·2	+ 2·7	92	+40	0	− 28	9	− 1	1·32	33	− 20	0·5	− 1·1	7	1016
11. ENGLISH CHANNEL..	58	36	83·7	80·9	82·4	+ 0·9	96	+17	0	− 5	6	− 5	0·54	14	− 44	0·6	− 1·3	7	1018
MEAN: DISTRICTS 1-10..	59	11	81·8	77·0	79·4	+ 1·1	44	+ 9	22	− 19	7	− 2	0·79	20	− 26	0·8	− 0·6	11	1018

THE YEAR. Aggregates, &c., for the Period of 49 Weeks, January 2nd to December 10th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·7	78·4	81·4	+ 0·6	2236	+154	433	−253	214	−16	47·29	1203	0	3·1	− 0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·6	78·0	81·6	+ 0·7	2460	+158	570	−232	178	−17	24·18	613	−129	4·2	+ 0·4	33	1015
2. ENGLAND, N.E. ..	92	15	87·1	79·5	83·2	+ 1·3	3243	+584	349	−234	141	−35	16·56	426	−170	4·6	+ 0·5	36	1017
3. ENGLAND, EAST ..	91	19	88·2	79·8	83·8	+ 1·3	3689	+631	348	−262	111	−61	12·01	307	−262	5·2	+ 0·7	41	1018
4. MIDLAND COUNTIES	93	13	88·2	79·2	83·5	+ 1·3	3516	+568	392	−277	130	−41	16·56	424	−210	4·6	+ 0·6	37	1018
5. ENGLAND, S.E. ..	91	14	88·6	80·5	84·3	+ 1·2	3860	+574	268	−194	114	−54	12·28	313	−339	5·3	+ 0·6	42	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·1	79·4	82·6	+ 0·8	2918	+363	303	−221	198	− 6	43·83	1113	+ 2	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	86·9	80·2	83·4	+ 1·1	3294	+503	243	−223	162	−26	26·51	676	−162	4·6	+ 0·5	36	1018
8. ENGLAND, S.W. ..	89	11	88·0	80·7	84·2	+ 1·2	3726	+603	177	−188	143	−45	21·40	545	−370	5·0	+ 0·5	40	1019
9. IRELAND, NORTH ..	86	23	86·8	80·2	83·4	+ 1·2	3193	+527	174	−258	201	−23	31·09	789	−116	3·6	− 0·1	29	1016
10. IRELAND, SOUTH ..	90	21	87·9	80·9	84·2	+ 1·2	3695	+601	136	−198	194	− 5	30·50	777	−163	4·1	0·0	33	1018
11. ENGLISH CHANNEL..	87	30	88·6	82·9	85·8	+ 1·4	4405	+688	29	− 84	138	−58	15·82	403	−370	5·8	+ 0·4	46	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·3	79·8	83·4	+ 1·1	3359	+511	296	−229	157	−31	23·49	598	−192	4·6	+ 0·4	36	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
16th December, 1921.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 197

British Meteorological and Magnetic Year-Book. Part I.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 50.

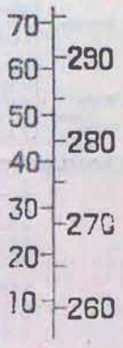
FIFTIETH WEEK.

SUNDAY, DECEMBER 11TH, TO SATURDAY, DECEMBER 17TH, 1921.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week unsettled weather again prevailed in most parts of the British Islands. There was a good deal of cloud, and rain fell in most places. Towards the end of the week strong wind and gales from a westerly direction were experienced in some parts of Scotland and the North of England. The day temperatures were decidedly high for the time of year, readings above 286a being registered in many places, generally on the 16th or 17th. The lowest of the screen minima occurred on various dates when readings considerably below the freezing point were recorded, while on the grass the thermometer registered below 267a at a number of stations. The mean temperature for the week was above the normal in all districts, the excess ranging from 3a in Ireland N. and S. to 1a in England S.E. and S.W. The mean daily range of temperature was in many places as much as 9a. Rain fell on several days, but at most of the stations the measurements were small, and the total for the week was below the normal in all districts. The largest of the individual falls of rain were 17mm. at Fort William on the 12th, 13mm. at Brighton on the 14th, and 12mm. at Wick on the 17th, while on the 14th and 15th Ford (Argyll) had a fall of 11mm. on each day. Bright sunshine was above the normal in most districts, chiefly owing to some rather large amounts being registered during the first few days of the week, notably on the 13th when several stations had between 5 and 6 hours; the largest amounts were 6.4 hours at Plymouth, 6.2 hours at Weymouth and Harrogate, 6.1 hours at Cullompton and Ross-on-Wye and 6.0 hours at Durham. There was a good deal of local fog during the week. Lunar halos were frequently observed in different parts of the country.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 26.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	16	6.1	22	4·2	9	2·4	6	2·7	12	3·4	3	1·6	18	2·6	10	3·7
North	6	5·3	1	4·8	10	3·1	9	2·1	14	5·2	22	6·1	4	2·0	17	3·9
West	23	5·4	27	6·7	20	3·2	13	3·4	26	6·6	19	7·0	26	7·8	25	5·4
East	0	—	1	1·4	0	—	1	0·4	2	0·8	1	1·3	1	0·9	1	1·0
Calm	6	—	0	—	6	—	11	—	0	—	0	—	1	—	1	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very Unusual	Very Unusual	Unusual
	Rainfall ..	Moderate	Light	Light	Moderate	Light	Moderate	Light	Light	Light	Light	Light	Light
	Sunshine ..	—	Very Abundant	Abundant	Scanty	Moderate	Scanty	—	Abundant	Moderate	Moderate	Moderate	Scanty

The Season.—Enumeration of the characters of the weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 3 weeks from Nov. 27th, 1921.	Warmth ..	2, 1, 0	2, 1, 0	2, 0, 1	2, 0, 1	2, 0, 1	1, 1, 1	2, 1, 0	2, 1, 0	2, 1, 0	3, 0, 0	3, 0, 0	2, 1, 0
	Rainfall ..	1, 1, 1	0, 0, 3	0, 0, 3	0, 1, 2	0, 1, 2	0, 2, 1	1, 0, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 0, 3
	Sunshine ..		1, 2, 0	1, 2, 0	0, 1, 2	0, 1, 2	0, 1, 2	—	1, 2, 0	0, 1, 2	0, 1, 2	0, 1, 2	0, 0, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
t Lerwick	54	50	11, 16	33	16th	46·7	40·7	43·8	+3·5	7	1·43	36	+ 6										
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	—
a, Islands *t* Stornoway	51	51	12, 16	35	16th	47·6	41·1	44·5	+4·2	7	1·12	29	- 10	Stornoway	1·2	+0·6	18	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
t Wick	81	53	16th	32	16th	46·4	39·4	43·0	+3·7	6	0·73	19	0										
a Strathpeffer	125	55	15th	31	12th	49·6	38·7	44·4	+6·3	4	0·61	15	- 7										
b, Main- *p* Glencarron	500	52	11, 17	32	15th	48·9	37·0	43·2	+5·1	7	2·23	57	- 8										
land. *a* Fort Augustus	68	54	11, 15	34	12th	49·3	37·2	43·5	+4·8	7	0·83	21	- 15										
p Fort William	171	54	11, 17	34	15th	49·6	38·6	44·3	+4·3	6	1·98	50	- 13										
1. SCOTLAND, E.																							
t Nairn	82	55	16th	30	16th	47·3	49·7	43·7	+5·7	6	0·30	8	- 4	Nairn	0·6	—	10	—	—	—	—	—	—
p Gordon Castle	101	54	16th	33	15, 16	50·3	36·9	43·9	+4·9	4	0·40	10	- 5	Gordon Castle	1·0	—	16	—	—	—	—	—	—
t Aberdeen	46	54	16th	33	16th	48·4	39·6	44·2	+5·3	2	0·24	6	- 12	Aberdeen	2·1	+1·0	31	3	25	—	—	44·8	+2·2
a Balmoral	930	52	16th	26	12, 16	45·1	33·9	39·7	+4·5	5	0·09	2	- 16	Balmoral	—	—	—	3	24	—	—	—	—
p Crieff	432	56	17th	33	15th	49·4	35·9	42·9	+4·9	4	0·07	2	- 22	Crathes	1·8	+0·7	26	4	26	40·9	—	43·6	—
a Dundee	244	52	11, 16	29	13th	49·0	34·4	42·0	+4·0	2	0·03	1	- 14	Dundee	2·3	—	35	4	23	40·1	—	—	—
														Inchkeith (F. of Forth)	—	—	—	0	34	—	—	—	—
t Inchkeith (F. of Forth)	190	52	16, 17	38	16th	49·0	42·6	45·9	—	2	0·02	1	—										
p Edinburgh	441	52	16th	36	16th	48·7	39·1	44·1	+4·9	2	0·05	1	- 11	Edinburgh	2·3	+1·0	33	0	31	—	—	—	—
a West Linton	769	57	16th	26	12, 16	49·6	33·1	41·7	+6·6	6	0·33	8	—	West Linton	—	—	—	4	23	—	—	—	—
a Marchmont	498	52	16th	34	16th	47·1	37·9	42·7	+5·2	2	0·04	1	- 14	Marchmont	2·1	+1·1	30	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	53	16th	32	12, 16	49·3	39·6	44·6	—	6	1·69	43	—	Ford (Argyll)	—	—	—	2	27	47·8	—	46·8	—
t Renfrew	49	54	16th	33	16th	49·9	41·1	45·7	—	5	0·26	7	—	Renfrew	2·1	—	30	2	24	—	—	—	—
p Rothesay	200	52	16, 17	38	12, 16	49·7	39·9	45·0	+4·3	7	1·03	26	- 5	Rothesay	1·4	—	20	1	30	44·6	—	47·0	+2·7
a Kilmarnock	90	53	16th	35	12, 16	50·1	40·0	45·3	+6·2	5	0·67	17	- 6	Kilmarnock	1·8	—	27	—	—	44·0	—	46·5	—
a Colmonell	170	53	16th	35	12th	50·7	42·1	46·6	+5·9	6	0·97	25	- 6	Colmonell	—	—	—	0	31	—	—	—	—
p Dumfries	160	53	16, 17	30	12th	49·6	35·7	42·9	+3·8	3	0·21	5	- 18	Dumfries	2·2	—	31	4	24	43·0	+3·0	45·2	+2·0
t Eskdalemuir	794	51	16th	25	12th	47·1	35·4	41·5	—	5	0·64	16	—	Eskdalemuir	2·1	—	30	4	21	—	—	—	—
b, I. OF MAN *h* Douglas	284	53	16th	39	16th	49·9	42·6	46·4	+4·1	6	0·81	21	- 7	Douglas	1·8	+0·6	24	0	34	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	56	16th	32	16th	49·8	40·3	45·2	+5·8	2	0·05	1	- 16	Cockle Park	2·4	+0·9	33	—	—	42·2	+3·8	44·7	+2·8
t Tynemouth	118	54	16th	38	12, 13	49·6	41·9	45·9	+5·8	2	0·11	3	- 9										
p Durham	336	58	17th	30	16th	50·1	37·0	43·8	+5·2	3	0·07	2	- 10	Durham	2·2	+0·9	31	4	25	—	—	—	—
a North *p* Rounton	249	55	11th	31	16th	49·9	37·1	43·8	+5·3	4	0·13	3	- 10	Rounton	—	—	—	5	22	42·0	—	—	—
a West Witton	605	52	16th	31	16th	48·3	39·4	44·0	—	3	0·07	2	—	West Witton	—	—	—	4	24	42·0	—	44·1	—
h Scarborough	118	54	17th	37	14, 16	49·4	41·6	45·7	+5·3	2	0·06	2	- 12	Scarborough †	1·5	+0·5	21	—	—	—	—	45·9	—
p York	56	55	17th	35	13, 16	49·3	40·7	45·2	+5·7	3	0·09	2	- 11	York	1·3	+0·5	18	—	—	43·8	+2·4	46·1	+1·1
t Spurn Head	26	52	17th	36	14th	47·7	40·1	44·1	+3·4	4	0·08	2	- 10	Spurn Head	1·2	—	16	—	—	—	—	—	—
b, South *a* Lincoln	58	54	16, 17	31	14th	48·9	38·1	43·7	+4·7	4	0·30	8	- 5	Lincoln	—	—	—	1	29	42·1	+1·9	45·9	+0·9
t Cranwell	237	53	17th	32	14th	47·4	39·7	43·7	+4·5	3	0·22	6	- 7	Cranwell	1·7	+0·4	23	2	28	—	—	—	—
														Skegness	1·1	- 0·6	14	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	54	17th	30	14, 15	48·0	36·4	42·4	+1·9	6	0·18	5	- 8	Cromer	0·9	- 0·6	11	—	—	—	—	—	—
a Little Massingham	277	53	17th	30	14, 15	46·3	36·6	41·6	+3·0	5	0·21	5	- 13	Lit Massingham	0·6	- 0·6	8	—	—	—	—	—	—
t Yarmouth	13	55	17th	33	14th	47·1	40·4	43·9	+3·6	4	0·28	7	- 9	Yarmouth	0·3	—	4	0	32	45·0	+3·2	47·0	+0·8
a Norwich	93	54	17th	31	14th	48·1	37·0	42·8	+3·1	4	0·27	7	- 10	Norwich	0·4	—	6	2	27	41·1	—	—	—
a Geldeston	37	56	17th	30	14, 15	49·6	35·7	42·9	+2·5	5	0·32	8	- 7	Geldeston	0·3	- 1·2	4	—	—	—	—	—	—
p Cambridge	41	56	17th	29	14th	48·7	37·4	43·3	+3·5	5	0·33	8	- 5	Cambridge	0·9	- 0·4	12	3	27	43·5	+1·7	47·4	+1·3
t Clacton-on-Sea	54	56	17th	33	14th	46·9	40·1	43·6	+3·1	6	0·35	9	- 3	Clacton-on-Sea	1·0	- 0·5	12	1	30	44·1	+0·4	47·9	+0·2
a Rothamsted	420	54	17th	27	14th	47·9	35·1	41·8	+2·1	4	0·33	8	- 10	Rothamsted	1·1	- 0·2	14	4	22	42·8	—	—	—
p Tottenham	51	55	17th	31	14th	49·3	41·7	45·7	—	4	0·27	7	—	Tottenham	0·9	—	11	—	—	—	—	47·6	+0·1
														Southend	0·6	—	7	1	30	44·1	+0·9	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	51	16, 17	33	16th	47·7	39·7	43·9	+5·3	5	0·22	6	- 13	Harrogate	2·1	+0·9	29	3	29	43·2	+2·5	44·7	+2·0
a North *p* Sheffield	429	53	16, 17	35	16th	49·4	40·7	45·2	—	4	0·25	6	—	Sheffield	1·3	+0·2	18	1	29	42·7	+2·0	45·3	+0·4
p Buxton	987	50	17th	30	16th	45·4	37·7	41·7	+4·5	4	0·54	14	- 24	Buxton	0·8	—	10	2	26	42·0	+2·7	44·9	+0·7
a Worksop	56	54	17th	32	14, 16	49·7	37·6	43·9	+4·5	5	0·17	4	- 12	Worksop	0·9	0·0	12	4	22	42·5	—	45·3	—
t Nottingham	82	55	17th	32	14th	49·4	40·1	44·9	+5·2	4	0·27	7	- 9	Nottingham	0·2	- 0·7	2	2	29	41·8	+1·7	44·2	+0·8
b, East *p* Birmingham, Edgbsn.	525	55	17th	34	14th	48·0	39·0	43·7	+4·1	2	0·32	8	- 10	Birmingham	0·6	- 0·4	7	2	22	44·1	+1·7	47·6	+1·0
a Raunds	213	56	17th	29	14th	49·6	36·3	43·2	+4·5	3	0·36	9	- 7	Raunds	1·7	—	22	3	24	43·9	—	—	—
p Oxford	208	55	17th	34	14, 16	49·0	39·6	44·5	+4·1	4	0·33	8	- 8	Oxford	1·5	+0·1	19	3	25	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.)	646	52	17th	32	16th	46·9	37·6	42·4	+4·0	2	0·17	4	- 18	Cheadle	—	—	—	5	23	—	—	—	—
s, West *p* Tenbury	313	55	17th	27	12th	49·0	34·6	42·1	+1·6	4	0·30	8	- 6	Tenbury	—	—	—	5	23	42·9	—	—	—
a Hereford	291	55	17th	29	12, 14	49·0	34·4	42·0	+1·9	2	0·22	6	- 13	Ross on Wye	1·5	—	20	4	23	42·1	—	46·9	—
a Clifton	225	52	17th	33	12th	48·6	36·4	42·7	+0·9	4	0·48	12	- 13	Clifton	1·7	—	22	0	31	—	—	—	—
														Worthing	0·6	- 1·2	8	1	30	44·6	+0·7	48·7	+0·7
5. ENGLAND, S.E.																							
a Marlborough	424	53	17th	29	12, 13, 16	48·3	32·4	40·7	+1·0	5	0·43	11	- 11	Marlborough	0·6	- 0·6	8	4	25	44·8	—	48·7	—
a Porton	340	54	17th	27	12th	48·3	31·0	40·0	—	2	0·33	8	—	Porton	—	—	—	4	22	40·9	—	—	—
a Wisley, Surrey	150	55	17th	30	14th	49·3	38·4	44·1	+3·3	5	0·36	9	- 6	Wisley, Surrey	1·2	- 0·2	15	3	21	44·5	+1·7	47·0	+0·6
h Tunbridge Wells	354	56	17th	31	14th	47·6	40·3	44·1	+3·1	3	0·55	14	- 7	Tunbridge Wells	0·7	- 0·7	9	2	25	45·3	+3·3	47·7	—
h Margate	51	53	17th	37	14th	46·4	41·9	44·2	+2·0	4	0·40	10	- 4	Margate	0·0	- 1·4	0	0	33	45·4	+1·1	47·6	+1·0
t Dungeness	21	55	17th	35	14th	48·7	42·7	45·8	+3·2	4	0·45	11	- 6	Folkestone	0·7	—	9	0	35	—	—	48·5	—
h St. Leonards	178	55	17th	35	14th	48·1	43·0	45·7	+3·1	6	0·47	12	- 7	St. Leonards	0·6	- 1·2	8	0	31	44·9	—	48·0	—
p Southampton	64	56	17th	35	14, 16	50·6	40·6	45·8	+3·1	5	0·26	7	- 16	Southampton	0·9	- 0·6	12	4	25	—	—	—	—
a Ventnor	59	56	17th	35	14th	50·7	41·0	46·0	+1·2	5	0·41	10	- 10	Ventnor	0·9	- 0·8	12	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	56	17th	32	14th	48·7	41·4	45·2	+3·9	4	0·24	6	- 8	Richmond	1·2	- 0·1	15	2	24	43·7	+1·2	47·5	+0·8
a Westminster	27	57	17th	32	14th	50·4	39·1	45·0	+2·7	5	0·30	8	- 5	Westminster	0·6	+0·1	8	2	26	—	—	—	—
ag Greenwich	149	55	17th	32	14th	49·3	38·6	44·2	+3·1	4	0·30	8	- 6	Greenwich	0·8	- 0·3	10	3	27	—	—	—	—
a Hampstead	450	56	17th	29	14th	48·0	37·1	42·8	—	5	0·30	8	—	Hampstead	1·2	—	15	3	24	—	—	—	—
ag Camden Square	110	56	17th	30	14th	49·4	37·7	43·8	+2·4	5	0·31	8	- 7	Camden Square	—	—	—	2	26	44·1	—	46·6	—
7. *d*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	16, 17	33	16th	47·4	36·7	42·3	+2·8	4	0·26	7	- 20	Aspatria	1·1	+0·1	15	1	30	44·5	+3·3	46·9	+1·5
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	51	17th	33	16th	48·3	38·4	43·6	+3·9	6	0·80	20	- 10	Stonyhurst	1·7	+0·9	23	1	28	—	—	—	—
h Blackpool	66	51	16, 17	33	12th	48·4	41·1	44·9	+4·2	6	0·36	9	- 11	Blackpool	2·4	+1·4	33	2	22	45·1	—	47·6	—
h Southport	37	51	17th	34	12th	47·6	41·4	44·6	+3·8	5	0·49	12	- 8	Southport	2·6	+1·6	35	2	29	42·1	+2·1	45·1	+1·8
														Hoylake	2·0	+0·8	27	—	—	—	—	—	—
t Liverpool (Bidston)	188	53	16th	40	12, 13	49·7	42·1	46·1	+4·6	4	0·27	7	- 9	Liverpool	2·6	—	35	4	26	—	—	—	—
a Hawarden Bridge	22	56	16, 17	34	12, 13	51·6	40·6	46·3	+4·2	3	0·43	11	- 3	Manchester City	0·4	+0·1	5	0	35	43·7	+2·7	46·3	+0·8
p Manchester (Whit. Pk.)	125	53	17th	34	16th	48·7	39·3	44·2	+3·3	4	0·48	12	- 8	„ Whit. Pk.	0·3	- 0·1	4	—	—	—	—	—	—
8. NORTH WALES.																							
h Llandudno	22	53	12, 17	36	16th	51·4	44·1	47·9	+4·5	4	0·36	9	- 10	Llandudno	1·1	- 0·1	15	—	—	—	—	—	—
t Holyhead	15	54	16, 17	40	17th	51·7	44·6	48·3	+4·4	5	0·67	17	- 9	Holyhead	1·7	—	23	0	32	—	—	—	—
a Aberdovey	60	55	17th	39	13, 14, 16	51·6	42·7	47·3	—	5	0·73	19	—	Aberdovey	1·1	- 0·1	14	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Lowest Reading	Earth 1 ft. Mean	Deviation from average	Earth 4 ft. Mean	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
h Aberystwyth	16	52	17th	36	12th	49·9	42·3	46·3	—	5	0·62	16	—	Aberystwyth	1·1	- 0·1	15	—	—	—	—	—	—
a Rhayader	757	53	16th	27	14th	47·9	35·3	41·9	—	5	0·15	4	—	Rhayader ..	1·2	—	16	4	18	—	—	—	—
t Pembroke	149	55	17th	42	12th	51·7	46·9	49·4	+4·2	4	0·29	7	- 21	Pembroke ..	2·1	+0·8	27	—	—	—	—	—	—
p Cardiff	202	54	17th	34	12, 14	50·0	39·6	45·0	+3·6	3	0·37	9	- 22	Cardiff ..	1·2	—	15	3	24	44·2	+1·6	48·0	+1·4
b, ENGLAND, S.W.																							
h Bath	66	55	17th	31	12, 14	50·0	34·9	42·8	+1·4	4	0·37	9	- 12	Bath	1·0	- 0·3	13	—	—	45·0	+1·2	48·8	+1·1
a Shaftesbury	722	53	17th	32	14th	47·6	36·3	42·2	+2·1	5	0·35	9	- 13	Shaftesbury ..	—	—	—	—	—	44·1	—	47·9	—
a Arlington	613	52	17th	33	12, 14	48·9	37·1	43·2	+1·7	4	0·73	19	- 22										
h Newquay	190	54	16, 17	38	12th	52·2	45·1	48·8	+2·9	4	0·32	8	- 19	Newquay ..	1·9	+0·3	24	—	—	49·2	—	52·0	—
a Cullompton	202	55	17th	29	12th	51·0	33·4	42·6	+0·8	5	0·33	8	- 19	Cullompton ..	1·8	+0·5	22	5	20	46·3	—	—	—
t Portland Bill	19	56	11th	40	14th	53·7	43·7	48·9	+3·7	2	0·13	3	- 15	Weymouth ..	1·6	—	20	—	—	—	—	—	—
p Plymouth	116	55	17th	35	14th	52·4	41·3	47·1	+2·5	3	0·26	7	- 23	Plymouth ..	2·1	+0·6	27	2	30	46·1	+0·5	51·2	—
t Falmouth	167	55	17th	39	14th	52·7	45·1	49·1	+3·5	5	0·32	8	- 30	Falmouth ..	2·6	+0·8	32	0	33	47·8	—	52·2	—
9. IRELAND, N.																							
t Malin Head	208	53	16th	41	12th	51·0	46·6	48·9	+6·5	6	0·61	16	- 3	Malin Head ..	1·0	—	14	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
p Markree Castle.. ..	122	55	17th	35	11, 12	52·3	40·7	46·7	+6·1	6	0·68	17	- 10	Markree Castle	1·2	+0·1	16	1	28	47·9	+4·9	50·0	+3·1
p Armagh..	204	54	17th	37	13th	50·3	41·4	46·0	+5·7	6	0·32	8	- 10	Armagh ..	1·8	+0·6	24	0	33	46·5	+4·6	48·7	+3·1
b, East .. *t* Donaghadee	35	54	16th	37	13th	50·7	42·6	46·8	+5·0	5	0·15	4	- 14										
														Trinity Coll.	—	—	—	—	—	46·5	+3·7	49·0	+3·1
														Phœnix Park	2·1	+0·5	28	1	26	—	—	—	—
10. IRELAND, S.																							
p Dublin City	54	54	16, 17	39	13th	51·4	42·6	47·2	+4·4	4	0·08	2	- 12	Dublin City ..	—	—	—	0	34	—	—	—	—
t Birr Castle	175	53	16, 17	35	13th	50·9	42·3	46·8	+5·9	6	0·43	11	- 8	Birr Castle ..	1·5	+0·1	20	1	30	—	—	—	—
a Kilkenny	195	54	16, 17	30	13, 14	51·1	39·3	45·4	+4·3	4	0·26	7	- 13										
a Waterford	137	57	16th	37	13th	53·3	41·9	47·8	+4·8	4	0·21	5	- 21										
p Seskin, Carrick-on-Suir	542	54	12th	32	14th	51·0	40·3	45·9	—	4	0·17	4	—	Seskin ..	2·2	—	29	0	31	—	—	—	—
a Foynes	50	58	17th	42	12, 13	53·6	45·9	49·9	+6·8	6	0·43	11	- 16										
t Cahirciveen (Val. Obs.)	30	55	17th	44	12th	53·3	48·4	51·0	+5·4	5	0·34	9	- 28	Cahirciveen ..	0·9	- 0·5	12	0	38	—	—	—	—
a Killarney	174	56	15th	42	12, 13	54·4	46·1	50·4	+6·7	6	0·35	9	- 32	Ballinacurra	1·8	+0·4	23	—	—	—	—	—	—
t Roche's Point	32	56	16th	41	12, 13	54·0	45·6	50·0	+5·1	4	0·09	2	- 28										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	17th	46	12th	53·3	48·1	50·8	+3·1	6	0·28	7	- 20	Scilly ..	2·0	+0·2	24	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	56	17th	40	13th	52·3	46·0	49·3	+3·7	7	0·57	15	- 10	St. Heliers ..	0·5	- 1·4	7	—	—	—	—	—	—
p Guernsey† ..	173	56	17th	42	14th	53·0	45·7	49·5	+3·8	4	0·39	10	- 18	Guernsey ..	1·2	- 0·5	15	0	34	48·8	+1·9	51·3	+1·3

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 17th, 1921.

District and Station.	Height: Above Mean Sea Level.	Height: Above Ground.	Height: Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
**Deerness (Cup Anr.) ..	188	16	5	16	3	11, 12, 14, 16	27	95	34	0	9	270	18	16	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	19	127	22	0	290	8	17	12	26	17	4	20
Aberdeen (Cup Anr.) ..	120	72	12	—	0	17	8	33	120	7	0	310	13	17	13	—	—	—	—
Edinburgh	485	39	31	17	3	12, 14, 16, 17	38	80	46	1	0	250	19	17	4	30	17	4	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	16, 17	25	46	56	41	0	250	17	17	3	26	17	4	55
Paisley	188	81	15	—	0	17	4	56	83	25	0	290	11	17	10	26	17	10	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	17	3	44	114	7	0	230	13	17	1	27	17	5	30
South Shields	72	61	12	17	5	17	11	52	91	9	0	290	21	17	7	29	17	6	15
Spurn Head	66	40	‡	—	0	16, 17	16	51	94	7	0	240	15	17	6	20	17	8	25
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	—	0	38	91	39	0	280	10	17	13	16	17	14	20
Shoeburyness	103	90	‡	—	0	—	0	39	92	37	0	280	10	17	11	16	17	14	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	16	85	67	0	250	8	17	6	15	17	6	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	31	95	42	0	—	9	17	15	16	17	15	15
Larkhill, S'y Plain ..	513	63	43	—	0	17	5	84	76	3	0	270	12	17	18	15	17	6	30
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	11	94	63	0	280	8	17	11	14	17	11	35
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	17	18	69	69	12	0	260	16	17	10	—	—	—	—
Southport	80	62	48	17	3	16, 17	21	76	66	2	0	270	18	17	22	23	17	18	30
Holyhead	60	40	‡	—	0	11, 14 to 17	38	97	31	2	0	260	15	17	22	21	17	20	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	1, 14, 17	20	78	45	25	0	290	14	17	12	22	17	12	5
Plymouth	185	88	2	—	0	—	0	33	94	41	0	—	11	14	18	—	—	—	—
Lyme Regis	556	61	‡	—	0	—	0	30	125	13	0	—	10	17	12	14	17	9	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	11, 14 to 17	36	86	42	4	0	250	16	17	6	—	—	—	—
Quilty	100	40	‡‡	—	0	11, 14, 16, 17	32	115	21	0	0	—	13	11	5	20	14	13	25
Cahirciveen (Val. Obs.) ..	98	41	‡‡	—	0	—	0	108	57	3	0	230	10	14	18	17	14	14	55
Weaver Pt.	160	30	‡	—	0	—	0	67	98	3	0	—	11	12	11	16	{12	11	15}
																	{14	16	50}
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	—	0	11, 13 to 15, 17	53	62	48	3	2	310	16	11	1	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTIETH WEEK of 1921—December 11th to December 17th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	55	31	82·1	76·9	79·6	+2.6	21	+12	8	− 19	6	0	1·28	32	− 6	—	—	—	1008
Eastern.																			
1. SCOTLAND, EAST ..	57	26	82·1	76·1	79·2	+2·8	20	+11	13	− 22	4	0	0·19	5	− 12	1·9	+0·9	28	1013
2. ENGLAND, N.E. ..	58	30	82·5	77·2	80·0	+2·6	25	+14	7	− 21	3	− 1	0·12	3	− 10	1·7	+0·5	23	1018
3. ENGLAND, EAST ..	56	27	81·9	76·1	79·1	+1·5	20	+ 7	13	− 15	5	+1	0·28	7	− 8	0·7	− 0·6	10	1020
4. MIDLAND COUNTIES	56	27	82·3	76·1	79·3	+2·0	22	+ 9	13	− 18	4	0	0·28	7	− 11	1·2	+0·1	16	1021
5. ENGLAND, S.E. ..	56	27	82·3	77·1	79·8	+1·2	23	+ 3	8	− 11	4	0	0·39	10	− 9	0·8	− 0·7	10	1021
Western.																			
6. SCOTLAND, WEST ..	54	30	82·9	77·5	80·3	+2·5	28	+15	5	− 16	5	0	0·81	21	− 11	—	—	—	1016
7. ENGLAND, N.W. ..	56	33	82·8	77·9	80·4	+2·3	27	+13	3	− 18	5	0	0·46	12	− 11	1·6	+0·6	21	1020
8. ENGLAND, S.W. ..	56	27	83·3	77·1	80·3	+1·1	30	+ 7	7	− 7	4	− 1	0·33	8	− 23	1·7	+0.3	22	1023
9. IRELAND, NORTH ..	55	35	83·6	78·9	81.3	+3·0	35	+20	0	− 20	6	+1	0·44	11	− 12	1·5	+0·3	20	1018
10. IRELAND, SOUTH ..	58	30	84·6	79·7	82 2	+3·0	46	+23	0	− 15	5	0	0·27	7	− 19	1·6	+0·1	21	1024
11. ENGLISH CHANNEL..	56	40	84·6	81·1	82·9	+1·7	55	+19	0	− 4	6	+1	0·42	11	− 15	1·2	− 0·5	15	1024
MEAN: DISTRICTS 1-10	58	26	82·8	77·4	80·2	+2·2	28	+12	7	− 16	5	0	0·36	9	− 13	1·4	− 0·2	19	1019

THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, November 27th to December 17th, 1921.

0. SCOTLAND, NORTH ..	56	18	81·6	76·4	79·1	+ 2·0	55	+25	35	− 45	14	− 3	3·75	95	− 24	—	—	—	1012
Eastern																			
1. SCOTLAND, EAST ..	58	11	81·6	76·0	78·9	+ 2·2	54	+25	44	− 55	11	− 2	0·65	16	− 42	1·4	+ 0·2	19	1015
2. ENGLAND, N.E. ..	58	22	81·7	76·5	79·2	+ 1·5	59	+23	36	− 38	9	− 3	0·40	11	− 34	1·3	0·0	17	1018
3. ENGLAND, EAST ..	56	19	80·7	75·1	77·9	+ 0·1	41	− 3	64	− 12	9	− 4	0·47	12	− 34	1·1	− 0·3	14	1019
4. MIDLAND COUNTIES	58	20	81·1	75·7	78·5	+ 1·0	47	+ 4	50	− 35	10	− 3	0·78	20	− 33	0·7	− 0·6	9	1020
5. ENGLAND, S.E. ..	59	25	81·1	76·3	78·8	0·0	48	− 15	40	− 13	9	− 4	0·85	21	− 40	0·8	− 0·7	10	1020
Western.																			
6. SCOTLAND, WEST ..	55	21	82·5	77·3	80·0	+ 1·9	74	+30	20	− 38	15	0	2·75	70	− 32	—	—	—	1017
7. ENGLAND, N.W. ..	57	26	82·1	77·3	79·7	+ 1·3	67	+19	21	− 34	14	− 1	1·28	33	− 40	1·2	+ 0·1	16	1018
8. ENGLAND, S.W. ..	56	27	82·4	77·7	80·2	+ 0·8	75	+ 2	13	− 26	12	− 3	1·19	30	− 63	1·0	− 0·6	12	1020
9. IRELAND, NORTH ..	56	28	83·5	79·5	81·5	+ 3·0	113	+63	1	− 55	15	− 1	1·53	39	− 33	0·8	− 0·5	10	1016
10. IRELAND, SOUTH ..	59	28	84·3	80·0	82·2	+ 2·8	138	+63	0	− 43	14	− 1	1·59	40	− 39	0·9	− 0·7	11	1019
11. ENGLISH CHANNEL..	58	36	84·0	81·0	82·5	+ 1·1	151	+36	0	− 9	12	− 4	0·96	25	− 59	0·8	− 1·0	10	1020
MEAN: DISTRICTS 1-10..	59	11	82·1	77·1	79·7	+ 1·5	72	+21	29	− 35	12	− 2	1·15	29	− 39	1·0	− 0·3	13	1018

THE YEAR. Aggregates, &c., for the Period of 50 Weeks, January 2nd to December 17th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·7	78·3	81·4	+ 0·7	2257	+166	441	−272	220	−16	48·57	1235	− 6	—	—	—	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·5	77·9	81·6	+ 0·7	2480	+169	583	−254	182	−17	24·37	618	−141	4·1	+ 0·4	33	1015
2. ENGLAND, N.E. ..	92	15	87·1	79·4	83·1	+ 1·3	3268	+598	356	−255	144	−36	16·68	429	−180	4·5	+ 0·4	36	1017
3. ENGLAND, EAST ..	91	19	88·1	79·7	83·8	+ 1·4	3709	+638	361	−277	116	−60	12·29	314	−270	5·1	+ 0·6	41	1018
4. MIDLAND COUNTIES	93	13	88·1	79·2	83·5	+ 1·4	3538	+577	405	−295	134	−41	16·84	431	−221	4·5	+ 0·5	36	1018
5. ENGLAND, S.E. ..	91	14	88·5	80·4	84·2	+ 1·2	3883	+577	276	−205	118	−54	12·67	323	−348	5·2	+ 0·6	42	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·1	79·3	82·6	+ 0·9	2946	+378	308	−237	203	− 6	44·64	1134	− 9	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	86·8	80·1	83·4	+ 1·2	3321	+516	246	−241	167	−26	26·97	688	−173	4·5	+ 0·5	36	1018
8. ENGLAND, S.W. ..	89	11	87·9	80·6	84·1	+ 1·2	3756	+610	184	−195	147	−46	21·73	553	−393	4·9	+ 0·5	40	1019
9. IRELAND, NORTH ..	86	23	86·7	80·2	83·3	+ 1·2	3228	+547	174	−278	207	−22	31·53	800	−128	3·5	− 0·1	28	1016
10. IRELAND, SOUTH ..	90	21	87·8	80·9	84·2	+ 1·3	3741	+624	136	−213	199	− 5	30·77	784	−182	4·0	− 0·1	32	1018
11. ENGLISH CHANNEL..	87	30	88·5	82·9	85·8	+ 1·5	4460	+707	29	− 88	144	−57	16·24	414	−385	5·7	+ 0·4	46	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·3	79·8	83·4	+ 1·2	3387	+523	303	−245	162	−31	23·85	607	−205	4·5	+ 0·4	36	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
23rd December, 1921.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 201

British Meteorological and Magnetic Year-Book. Part I.

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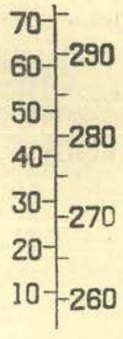
I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather over the British Isles was changeable and unsettled, with bright intervals. Rain fell during the week in all parts of the country and snow and hail were reported in many places, especially in Scotland and the northern and eastern parts of England. Thunderstorms occurred at a few stations. The winds were mainly westerly or south-westerly in direction, and reached the force of a gale at a number of stations. The highest of the maximum temperatures occurred as a rule during the early days of the week, when readings of 286a and above were registered at a number of stations. At the end of the week there was a temporary, though decided fall in temperature, the maximum for Saturday being as low as 276a in several places. The lowest of the screen minima were recorded on Saturday morning when readings considerably below the freezing point were registered at a number of stations, while on the grass, temperatures below 265a were registered. Mean temperature for the week was again above normal in all districts.

Rainfall was generally above the normal, and several rather heavy falls were measured. Amongst the largest amounts obtained were 31mm. at Fort William on the 20th, 26mm. at Stonyhurst and 20mm. at Kilmarnock on the 21st, 26mm. at Crieff on the 22nd; the total for the two days 20th and 21st at Ford (Argyll) was as much as 43mm. The total amount of bright sunshine for the week was above the normal in several districts and at a number of stations either in the early part or towards the end of the period, more than 5 hours were recorded. The largest amounts were 6·6 hours at Oxford, 6·5 hours at Raunds (Northampton), 6·4 hours at Rothamsted, 6·3 hours at Malvern and 6·2 hours at Clacton and South Farnborough on the 20th, but 6·0 hours or more were recorded at Worthing, Torquay, Portsmouth and Ventnor on the 23rd. Aurora was observed at Aberdeen and Gordon Castle (Elgin) on the 22nd. A lunar halo was seen at Yarmouth on the 20th. The zodiacal light was witnessed at Oxford on each evening from the 20th to the 23rd inclusive.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 26.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	10	6·8	18	4·1	15	2·	21	3·2	19	5·6	11	5·4	22	5·3	19	5·8
North	12	6·5	4	4·8	10	3·	6	2·5	6	8·4	12	6·7	1	5·7	7	4·8
West	22	11·6	27	7·2	27	5·8	28	4·3	27	8·7	28	9·6	28	8·2	26	8·0
East		3·8	0	—	0	—	0	—	1	1·9	0	—	0	—	0	—
Calm	2	—	0	—	0	—	0	—	0	—	0	—	0	—	1	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with the normal for the time of year .. Warmth ..	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very Unusual
Rainfall ..	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
Sunshine ..	Scanty	Moderate	Moderate	Abundant	Abundant	Abundant	—	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 4 weeks from Nov. 27th, 1921.	Warmth ..	3, 1, 0	3, 1, 0	3, 0, 1	3, 0, 1	3, 0, 1	2, 1, 1	3, 1, 0	3, 1, 0	3, 1, 0	4, 0, 0	4, 0, 0	3, 1, 0
	Rainfall ..	2, 1, 1	1, 0, 3	0, 1, 3	1, 1, 2	0, 2, 2	0, 3, 1	2, 0, 2	1, 1, 2	0, 2, 2	1, 1, 2	0, 2, 2	0, 1, 3
	Sunshine ..	1, 1, 2	1, 3, 0	1, 3, 0	1, 1, 2	1, 1, 2	1, 1, 2	—	1, 3, 0	0, 2, 2	0, 2, 2	0, 2, 2	0, 1, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (A), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.: Ground Frosts	Grass Min.: Lowest Reading	Earth 1 ft.: Mean	Earth 1 ft.: Deviation from average	Earth 4 ft.: Mean.	Earth 4 ft.: Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																						
a, Islands: *t* Lerwick	54	47	19th	29	24th	41·7	33·9	38·0	-2·3	7	1·06	27	+ 5									
p Deerness, Orkney	165	49	19th	32	23, 24	45·7	35·3	40·7	+0·5	7	1·16	30	+11	Deerness	0·1	- 0·6	1	—	—	—	—	—	—
t Stornoway	51	53	19th	32	24th	45·3	35·9	40·8	+0·6	7	2·26	57	+29	Stornoway	0·1	- 0·6	1	—	—	—	—	—	—
t Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—		—	—	—	—	—	—
b, Mainland: *t* Wick	81	49	19th	28	24th	42·9	34·0	38·6	- 0·6	7	1·13	29	+15										
a Strathpeffer	125	52	19th	30	24th	45·0	35·1	40·3	+2·4	5	1·39	35	+19										
p Glencarron	500	54	19th	28	24th	45·4	33·7	39·8	+1·8	7	3·77	96	+48										
a Fort Augustus	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	54	19th	30	24th	47·1	35·7	41·6	+1·7	7	3·52	89	+43										
1. SCOTLAND, E.																						
t Nairn	82	52	19th	32	24th	43·0	35·9	39·6	+1·9	7	1·19	30	+20	Nairn	0·0	—	0	—	—	—	—	—	—
p Gordon Castle	101	55	19th	32	24th	45·4	35·1	40·5	+1·8	7	0·94	24	+12	Gordon Castle	0·3	—	5	—	—	—	—	—	—
t Aberdeen	46	52	21st	33	24th	43·7	36·7	40·3	+1·7	7	0·57	15	0	Aberdeen	1·2	+0·2	19	4	28	—	—	44·0	+1·9
a Balmoral	930	50	19th	29	24th	41·0	32·4	36·9	+2·0	7	1·08	27	+12	Balmoral	—	—	—	3	26	—	—	—	—
p Crieff	432	57	21st	29	24th	46·3	33·3	40·1	+2·5	6	1·25	32	+11	Crathes	1·0	0·0	15	4	25	39·0	—	43·0	—
a Dundee	244	53	21st	27	24th	44·9	34·3	39·8	+2·1	6	0·71	18	+ 6	Dundee	1·0	—	15	4	23	40·0	—	—	—
														Inchkeith (F. of Forth)	—	—	—	1	30	—	—	—	—
t Inchkeith (F. of Forth)	190	53	19th	34	20th	45·7	38·0	42·0	—	6	0·64	16	—	Edinburgh	0·4	- 0·8	6	1	26	—	—	—	—
p Edinburgh	441	53	19th	31	24th	47·7	35·6	41·9	+2·9	6	1·26	32	+22	West Linton	—	—	—	5	22	—	—	—	—
a West Linton	769	51	19, 21	25	24th	47·4	33·1	40·5	+5·6	6	2·42	61	—	Marchmont	0·6	- 0·4	8	—	—	—	—	—	—
a Marchmont	498	52	19th	28	24th	45·7	34·0	40·1	+3·0	7	1·02	26	+13										
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	52	19, 20	27	24th	47·1	36·5	42·0	—	7	3·70	94	—	Ford (Argyll)	—	—	—	2	21	43·7	—	46·4	—
t Renfrew	49	53	21st	25	24th	46·0	37·3	41·8	—	6	1·70	43	—	Renfrew	0·6	—	9	2	16	—	—	—	—
p Rothesay	200	52	21st	32	24th	47·7	36·0	42·1	+1·7	7	2·92	74	+47	Rothesay	0·6	—	9	1	23	43·1	—	46·4	+2·4
a Kilmarnock	90	54	19th	26	24th	49·4	37·7	43·8	+4·9	6	2·01	51	+31	Kilmarnock	0·7	—	10	—	—	43·3	—	46·3	—
a Colmonell	170	53	19th	30	24th	49·7	39·3	44·7	+4·2	6	1·95	50	+23	Colmonell	—	—	—	1	27	—	—	—	—
p Dumfries	160	54	19th	27	24th	48·3	35·3	42·1	+3·4	6	1·00	25	+ 6	Dumfries	0·7	—	9	2	18	43·0	+3·2	45·0	+2·1
t Eskdalemuir	794	49	19, 21	24	24th	42·4	35·4	39·0	—	6	2·80	71	—	Eskdalemuir	0·6	—	9	1	17	—	—	—	—
b, I. OF MAN *h* Douglas	284	52	18, 19	32	24th	7·6	41·1	44·5	+2·5	7	1·07	27	- 8	Douglas	1·5	+0·3	21	1	27	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle	210	55	19th	31	24th	49·1	38·1	43·8	+5·4	5	0·50	13	- 1	Cockle Park	0·6	- 0·7	9	—	—	41·1	+3·1	44·3	+2·8
t Tynemouth	118	54	19, 21	31	24th	46·1	37·1	41·8	+2·7	6	0·60	15	+ 5										
p Durham	336	54	19, 20	29	24th	47·9	35·6	42·0	+4·4	7	0·52	13	+ 3	Durham	1·5	+0·3	21	2	21	—	—	—	—
a North: Rounton	249	53	19, 20, 22	29	24th	50·6	36·4	43·8	+6·2	5	1·00	26	+16	Rounton	—	—	—	—	—	42·4	—	—	—
a West Witton	605	52	19th	29	24th	47·7	38·4	43·2	—	6	1·61	41	—	West Witton	—	—	—	2	23	42·0	—	44·3	—
h Scarborough	118	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough †	—	—	—	—	—	—	—	—	—
p York	56	55	20th	31	24th	49·9	39·7	45·0	+6·5	6	0·56	14	+ 4	York	1·0	+0·3	13	—	—	47·2	+6·1	46·1	+1·6
b, South: *t* Spurn Head	26	52	19, 21	33	24th	47·3	40·0	43·8	+4·2	5	0·73	19	+10	Spurn Head	1·3	—	18	—	—	—	—	—	—
a Lincoln	58	54	21st	30	24th	50·3	40·3	45·5	+7·5	4	0·63	16	+ 6	Lincoln	—	—	—	2	28	43·3	+3·2	46·0	+1·5
t Cranwell	237	53	21st	30	24th	47·3	41·1	44·3	+6·2	5	0·30	8	- 3	Cranwell	1·8	+0·6	23	1	27	—	—	—	—
														Skegness	2·1	+0·6	29	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	53	19th	33	24th	49·3	40·1	44·9	+5·9	4	0·84	21	+13	Cromer	1·3	—	18	—	—	—	—	—	—
a Little Massingham	277	52	19, 21	32	24th	48·4	40·3	44·5	+7·3	3	0·65	17	+ 6	Lit Massingham	1·1	- 0·2	15	—	—	—	—	—	—
t Yarmouth	13	53	19th	33	24th	48·1	41·7	45·0	+6·1	5	0·63	16	+ 6	Yarmouth	1·6	—	22	0	32	45·0	+3·7	47·0	+1·3
a Norwich	93	54	19th	32	24th	50·0	42·4	46·4	+8·1	3	0·65	17	+ 7	Norwich	1·3	—	17	1	28	42·4	—	—	—
a Geldeston	37	55	19th	31	24th	50·6	40·4	45·7	+6·7	3	0·41	10	+ 1	Geldeston	1·6	+0·1	21	—	—	—	—	—	—
p Cambridge	41	55	18th	32	24th	50·1	41·3	45·9	+7·5	2	0·15	4	- 3	Cambridge	2·0	+0·7	26	1	27	44·6	+3·1	47·5	+1·8
t Clacton-on-Sea	54	54	18th	32	24th	47·9	42·4	45·3	+6·2	3	0·17	4	- 3	Clacton-on-Sea	2·6	+1·0	34	1	27	44·8	+1·7	48·0	+0·9
a Rothamsted	420	54	18th	29	24th	49·6	41·0	45·5	+7·1	4	0·51	13	+ 2	Rothamsted	2·5	+1·1	32	1	25	43·7	—	—	—
p Tottenham	51	55	18th	33	24th	50·3	43·1	46·8	—	4	0·38	10	—	Tottenham	1·8	—	24	—	—	—	—	47·9	+0·9
														Southend	2·1	+0·5	27	1	29	44·8	+1·9	—	—
4. MIDLAND COUNTIES.																						
a North: *h* Harrogate	479	53	19th	30	24th	48·6	38·0	43·5	+6·0	6	1·08	28	+16	Harrogate	1·6	+0·3	21	1	25	43·3	+2·8	44·6	+2·2
p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—
p Buxton	987	50	18, 19, 21	26	24th	46·0	35·6	41·0	+4·8	7	2·48	62	+39	Buxton	1·2	—	16	1	22	41·7	+2·4	44·9	+1·1
b, East: *a* Worksop	56	56	19th	30	24th	50·9	40·3	45·8	+7·5	4	0·57	14	+ 4	Worksop	1·3	+0·4	18	2	20	43·4	—	45·3	—
t Nottingham	82	54	21st	33	24th	48·6	43·1	46·0	+7·3	5	0·21	5	- 5	Nottingham	1·1	+0·3	15	2	23	42·9	+3·0	44·5	+1·5
p Birmingham, Edgbsn.	525	53	18, 19, 20	30	24th	48·6	39·7	44·3	+5·7	4	0·83	21	+10	Birmingham	0·9	0·0	11	2	22	44·6	+2·4	47·8	+1·6
a Raunds	213	56	18th	30	24th	51·1	41·4	46·4	+8·8	3	0·13	3	- 7	Raunds	2·1	—	28	1	25	44·4	—	—	—
p Oxford	208	57	18th	29	24th	50·3	40·6	45·6	+6·2	4	0·32	8	- 2	Oxford	2·5	+1·1	32	2	22	—	—	—	—
														Malvern	2·1	—	27	1	7	44·4	—	47·0	—
a Cheadle (N. Staffs.)	646	52	19th	26	24th	48·3	39·3	44·0	+6·7	4	0·77	20	+ 6	Cheadle	—	—	—	1	15	—	—	—	—
c, West: *p* Tenbury	313	55	19, 20	24	24th	49·7	40·0	45·0	+5·4	5	0·53	13	+ 4	Tenbury	—	—	—	3	19	44·2	—	—	—
a Hereford	291	56	18th	30	24th	51·1	42·0	46·7	+7·6	4	0·37	10	- 2	Ross on Wye	1·9	—	25	1	21	44·3	—	46·9	—
a Clifton	225	53	19th	30	24th	50·1	42·1	46·3	+5·5	6	1·00	25	+ 9	Clifton	1·8	—	24	1	29	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	54	19th	25	24th	50·6	40·4	45·7	+7·6	4	0·44	11	- 4	Worthing	3·2	+1·3	40	1	28	46·0	+2·7	48·8	+1·3
a Porton	340	54	18th	25	24th	50·2	40·4	45·5	—	4	0·52	13	—	Marlborough	1·6	+0·3	21	1	19	45·5	—	48·4	—
a Wisley, Surrey	150	56	18th	30	24th	51·3	42·9	47·3	+8·1	4	0·34	9	- 2	Porton	—	—	—	1	19	45·1	—	—	—
h Tunbridge Wells	354	56	18th	31	24th	48·7	42·4	45·7	+6·4	5	0·64	16	+ 2	Wisley, Surrey	2·4	+0·9	31	1	19	45·1	+2·8	47·3	+1·3
h Margate	51	55	18th	34	24th	49·3	42·9	46·2	+5·8	2	0·10	3	- 6	Tunbridge Wells	1·7	+0·2	22	2	21	45·7	+3·8	47·9	—
														Margate	2·0	+0·5	26	0	32	45·8	+1·9	48·1	+1·8
t Dungeness	21	54	18th	32	24th	49·7	44·7	47·3	+6·4	5	0·43	11	- 1	Folkestone	2·9	—	37	1	29	—	—	48·6	—
h St. Leonards	178	55	18th	33	24th	49·3	43·7	46·6	+5·7	6	0·87	22	+ 9	St. Leonards	2·7	+0·8	34	1	28	45·7	—	48·1	—
p Southampton	64	57	18th	33	24th	51·0	42·3	46·8	+5·8	3	0·42	11	- 4	Southampton	2·6	+0·9	33	1	22	—	—	—	—
a Ventnor	59	55	18th	31	24th	51·6	44·9	48·4	+5·3	5	0·81	21	+ 7	Ventnor	2·5	+0·6	31	—	—	—	—	—	—
LONDON: *t* Richmond (Kew Obs.)	18	55	18th	33	24th	49·4	44·9	47·2	+7·6	4	0·32	8	- 1	Richmond	1·9	+0·6	25	1	27	44·8	+2·7	47·7	+1·4
a Westminster	27	57	19th	34	24th	50·0	43·6	48·5	+7·9	4	0·22	6	- 3	Westminster	1·7	+1·1	22	1	26	—	—	—	—
ag Greenwich	149	56	18th	33	24th	51·1	43·9	47·6	+8·2	4	0·39	10	+ 1	Greenwich	2·0	+0·8	25	1	28	—	—	—	—
a Hampstead	450	54	18, 19	29	24th	49·0	40·1	44·7	—	4	0·38	10	—	Hampstead	2·3	—	29	2	19	—	—	—	—
ag Camden Square	110	56	18th	31	24th	51·6	42·7	47·3	+7·6	4	0·29	7	- 2	Camden Square	—	—	—	1	27	45·2	—	47·0	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	52	19th	27	24th	48·1	36·6	42·6	+4·0	6	0·98	25	+ 5	Aspatria	0·4	- 0·7	5	1	21	44·1	+3·0	46·8	+1·8
p Newton Rigg	559	56	20th	26	24th	48·4	37·3	43·1	+6·0	7	2·04	52	+33	Newton Rigg	0·7	- 0·3	10	1	16	—	—	—	—
p Stonyhurst	375	53	19th	31	24th	49·0	39·9	44·6	+5·9	6	2·44	62	+40	Stonyhurst	0·6	- 0·3	8	1	23	—	—	—	—
h Blackpool	66	52	19th	36	24th	49·4	43·7	46·7	+7·0	7	1·37	35	+20	Blackpool	1·1	+0·1	16	1	27	45·7	—	47·7	—
h Southport	37	53	19th	34	24th	48·1	43·4	45·8	+6·0	6	0·96	25	+11	Southport	1·2	+0·1	16	1	23	43·4	+3·6	45·2	+2·3
														Hoylake	1·8	+0·5	25	—	—	—	—	—	—
t Liverpool (Bidston)	188	56	19th	37	24th	50·7	43·0	47·0	+6·5	6	1·22	31	+19	Liverpool	1·1	—	15	1	29	—	—	—	—
a Hawarden Bridge	22	57	18, 19	35	24th	53·0	43·4	48·4	+7·2	4	0·95	24	+14	Manchester City	0·2	0·0	3	1	28	44·5	+3·6	46·8	+1·6
p Manchester (Whit. Pk.)	125	56	20th	29	24th	50·1	40·3	45·4	+5·4	6	1·28	31	+17	„ Whit. Pk.	0·4	- 0·1	5	—	—	—	—	—	—
b. NORTH WALES.																						
h Llandudno	22	56	19th	39	24th	49·7	45·0	47·	+4·9	7	1·28	31	+17	Llandudno	0·8	- 0·5	12	—	—	—	—	—	—
t Holyhead	15	54	18, 19	38	24th	50·3	45·9	48	+5·2	7	0·79	20	+ 1	Holyhead	1·0	—	14	0	33	—	—	—	—
a Aberdovey	60	54	18th	35	24th	50·6	45·8	48·1	—	7	0·84	21	—	Aberdovey	1·0	- 0·3	13	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day: Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
h Aberystwyth	16	52	18, 19	30	24th	49·7	44·0	47·0	—	6	0·69	18	—	Aberystwyth	1·0	- 0·2	13	—	—	—	—	—	—
a Rhayader	757	52	18, 19	25	24th	48·7	40·3	44·7	—	7	1·08	28	—	Rhayader ..	0·3	—	3	1	13	—	—	—	—
t Pembroke	149	54	18, 19	36	24th	50·4	46·6	48·6	+4·3	6	0·57	15	- 5	Pembroke ..	1·8	+0·4	23	—	—	—	—	—	—
p Cardiff	202	54	18, 20	31	24th	50·0	40·9	45·6	+5·1	6	0·93	24	+ 2	Cardiff ..	2·2	—	29	1	22	45·6	+3·4	48·0	+1·8
b, ENGLAND, S.W.																							
h Bath	66	55	19th	29	24th	51·9	43·3	47·8	+7·3	3	0·52	13	- 2	Bath	1·5	+0·2	20	—	—	46·1	+2·5	48·7	+1·5
a Shaftesbury	722	53	18th	28	24	48·7	40·4	44·7	+5·6	6	0·59	15	- 1	Shaftesbury ..	—	—	—	—	—	44·9	—	47·9	—
a Arlington	613	55	18, 19	31	24th	49·3	41·5	45·6	+5·0	7	2·02	51	+21										
h Newquay	190	55	19th	41	24th	51·9	47·0	49·9	+4·8	7	1·00	25	+ 6	Newquay ..	1·2	- 0·4	16	—	—	50·1	—	51·6	—
a Cullompton	202	55	18, 19	27	24th	51·7	44·1	48·1	+7·2	7	0·78	20	0	Cullompton ..	1·3	+0·1	17	1	17	47·2	—	—	—
t Portland Bill	19	55	19th	44	23, 24	53·3	46·9	50·2	+5·9	4	0·30	8	- 5	Weymouth ..	2·3	—	29	—	—	—	—	—	—
p Plymouth	116	55	18th	34	24th	52·0	44·0	48·2	+4·4	7	0·69	18	- 4	Plymouth ..	1·4	- 0·2	17	1	28	47·6	+2·3	50·9	—
t Falmouth	167	55	18th	36	24th	51·3	46·0	48·8	+4·0	6	0·69	18	- 10	Falmouth ..	1·8	0·0	22	1	30	49·3	—	52·0	—
9. IRELAND, N.																							
t Malin Head	208	54	19th	40	24th	49·7	42·7	46·3	+4·0	7	1·43	36	+18	Malin Head ..	0·4	—	6	—	—	—	—	—	—
a, West .. *t* Blacksod Point ..	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	54	19th	32	24th	50·9	40·7	46·0	—	7	2·59	66	—	Mallarany ..	0·7	—	9	1	26	—	—	—	—
p Markree Castle.. ..	122	55	18, 19	32	24th	51·4	39·1	45·5	+5·0	7	1·69	43	+18	Markree Castle	0·8	- 0·2	11	2	27	47·5	+4·9	50·0	+3·5
p Armagh..	204	54	18, 19	30	24th	49·7	38·1	44·1	+3·9	7	0·81	21	+ 5	Armagh ..	0·7	- 0·4	10	1	22	46·1	+4·4	48·3	+3·1
b, East .. *t* Donaghadee	35	54	18th	33	24th	48·1	40·3	44·4	+2·7	7	0·63	16	- 1										
10. IRELAND, S.														Trinity Coll.	—	—	—	—	—	46·7	+4·2	49·0	+3·6
p Dublin City	54	56	19th	32	24th	51·0	41·0	46·2	+3·8	4	0·56	14	+ 1	Phœnix Park	2·1	+0·6	29	1	24	—	—	—	—
														Dublin City ..	—	—	—	1	28	—	—	—	—
t Birr Castle	175	56	19th	30	24th	49·1	41·4	45·4	+4·9	6	1·22	31	+13	Birr Castle ..	1·2	- 0·2	16	1	24	—	—	—	—
a Kilkenny	195	55	19th	29	24th	50·1	40·4	45·4	+4·8	1	0·24	6	- 13										
a Waterford	137	58	18th	33	24th	51·3	42·1	46·9	+4·3	6	0·49	12	- 13										
p Seskin, Carrick-on-Suir	542	55	18th	32	24th	50·1	38·3	44·4	—	5	0·67	17	—	Seskin ..	1·7	—	23	1	29	—	—	—	—
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
t Cahirciveen (Val. Obs.)	30	55	19th	40	20, 24	51·9	46·0	49·1	+3·8	7	0·93	24	- 12	Cahirciveen ..	0·9	- 0·4	12	0	35	—	—	—	—
a Killarney	174	56	18th	37	24th	52·0	43·1	47·7	+4·3	7	1·37	35	- 4	Ballinacurra	1·6	+0·2	21	—	—	—	—	—	—
t Roche's Point	32	56	18th	36	24th	51·4	45·0	48·3	+3·8	5	0·61	15	- 14										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's ..	131	55	18th	43	23rd	52·1	47·9	50·1	+3·2	6	0·46	12	- 5	Scilly ..	1·6	- 0·2	20	—	—	—	—	—	—
t Jersey, St. Aubins ..	25	56	18th	42	24th	52·7	48·1	50·5	+6·0	6	0·92	23	+ 7	St. Heliers ..	1·5	- 0·3	19	—	—	—	—	—	—
p Guernsey† ..	173	57	18th	38	24th	53·0	46·6	49·9	+5·3	7	1·02	26	+ 8	Guernsey ..	1·7	+0·1	22	1	28	48·9	+2·4	51·2	+1·8

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 24th, 1921.

District and Station.	Height: Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡: More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hour	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour	m/s.	d.	h.	m.
**Deerness (Cup Anr.) ..	188	16	5	17, 18, 20	42	17 to 20, 23	47	31	34	14	0	260	26	17	5	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	23	103	42	0	220	10	19	20	23	18	3	35
Aberdeen (Cup Anr.) ..	120	72	12	—	0	18	6	57	91	14	0	300	14	18	3	—	—	—	—
Edinburgh	485	39	31	19	3	18 to 21, 24	32	112	18	3	0	200	18	19	18	27	19	19	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	19	2	18 to 21, 23	60	53	31	21	1	200	18	19	18	27	19	18	30
Paisley	188	81	15	—	0	19 to 21	12	69	68	19	0	200	14	19	19	31	21	7	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	19, 21	7	86	71	4	0	230	13	19	21	24	21	23	25
South Shields	72	61	12	21	5	18 to 21	31	89	38	5	0	280	20	21	12	29	21	12	0
Spurn Head	67	41	‡	—	0	18 to 24	60	84	6	1	17	260	16	20	14	25	23	20	30
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	19, 20	4	123	38	3	0	230	11	19	23	21	24	1	35
Shoeburyness	108	90	‡	—	0	20	1	153	14	0	0	270	11	20	14	19	20	13	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	21	2	108	48	10	0	250	11	21	6	18	20	12	45
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	20, 22	4	124	40	0	0	—	12	20	3	20	22	21	25
Larkhill, S'y Plain ..	513	63	43	—	0	18 to 23	27	124	13	0	4	270	13	20	14	26	22	11	45
Richmond (Kew Obs.) ..	82	65	22	—	0	—	0	89	79	0	0	230	10	19	24	19	19	23	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	20	10	18 to 23	55	88	14	1	0	260	21	20	14	—	—	—	—
Southport	80	62	48	19 to 21	22	18 to 23	81	51	14	0	0	270	22	20	12	29	20	8	20
Holyhead	60	40	‡	23	1	18 to 23	108	52	7	0	0	300	18	23	11	26	20	11	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	19, 22	9	18 to 23	90	56	12	1	0	250	20	22	16	30	22	23	40
Plymouth	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	0	22	1	111	48	5	3	—	11	22	19	18	22	19	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	19	1	18 to 24	85	64	17	1	0	220	18	19	18	—	—	—	—
Quilty	100	40	‡	22	1	18 to 23	79	60	2	2	24	—	17	22	20	26	22	20	35
Cahirciveen (Val. Obs.) ..	98	41	‡	—	0	19 to 23	60	94	7	7	0	230	15	19	16	27	22	14	50
Weaver Pt.	160	30	‡	—	0	19 to 23	28	106	32	2	0	—	17	19	16	27	19	15	50
11. ENGLISH CHANNEL.																			
Scilly (Cup Anr.) ..	150	19	—	22, 23	12	18 to 24	96	55	5	0	0	280	22	22	17	—	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in th Introduction to the Annual Volume.

FIFTY-FIRST WEEK of 1921—December 18th to December 24th, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200+	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	54	28	80·0	74·5	77·4	+0·4	7	− 3	22	− 7	7	+2	2·19	56	+28	0·1	− 0·5	1	996
Eastern.																			
1. SCOTLAND, EAST ..	57	25	80·1	74·6	77·4	+1·2	8	0	22	− 16	7	+3	1·14	29	+15	0·7	− 0·2	11	1000
2. ENGLAND, N.E. ..	55	29	82·2	76·6	79·6	+2·8	22	+13	10	− 20	5	+1	0·61	15	+ 4	1·4	+0·3	19	1008
3. ENGLAND, EAST ..	55	29	82·7	78·2	80·6	+3·8	27	+17	2	− 31	3	− 1	0·49	12	+ 3	1·8	+0·4	24	1011
4. MIDLAND COUNTIES	57	24	82·8	77·8	80·4	+3·7	27	+16	4	− 31	5	+1	0·58	15	+ 4	1·6	+0·5	21	1012
5. ENGLAND, S.E. ..	57	25	83·1	79·1	81·2	+3·5	33	+19	0	− 24	4	+1	0·49	12	− 1	2·4	+0·8	30	1014
Western.																			
6. SCOTLAND, WEST ..	54	25	81·9	76·1	79·1	+1·4	19	+ 7	12	− 11	6	+2	2·05	52	+25	—	—	—	1004
7. ENGLAND, N.W. ..	57	26	82·9	78·4	80·7	+3·1	28	+16	1	− 23	6	+2	1·34	34	+17	0·9	− 0·1	13	1010
8. ENGLAND, S.W. ..	55	25	83·4	79·3	81·4	+2·7	36	+18	0	− 16	6	+2	0·82	21	− 1	1·3	− 0.2	16	1015
9. IRELAND, NORTH ..	56	30	82·8	77·6	80·3	+2·1	26	+12	5	− 15	7	+2	1·16	29	+ 8	0·8	− 0·4	11	1006
10. IRELAND, SOUTH ..	58	29	83·6	78·9	81 4	+2·4	36	+14	0	− 15	5	0	0·77	20	− 5	1·5	0·0	19	1014
11. ENGLISH CHANNEL..	57	38	84·4	81·6	83·1	+2·5	57	+26	0	− 4	6	+1	0·80	20	+ 3	1·6	− 0·1	21	1019
MEAN: DISTRICTS 1-10	58	24	82·6	77·7	80·2	+2·7	26	+13	6	− 20	5	+1	0·96	24	+ 7	1·4	+0·1	18	1009

THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, November 27th to December 24th, 1921.

0. SCOTLAND, NORTH ..	56	18	81·2	75·9	78·7	+ 1·6	62	+22	57	− 52	21	− 1	5·94	151	+ 4	0·5	− 0·2	8	1008
Eastern.																			
1. SCOTLAND, EAST ..	58	11	81·2	75·6	78·5	+ 1·9	62	+25	66	− 71	18	+1	1·79	45	− 27	1·2	+ 0·1	17	1011
2. ENGLAND, N.E. ..	58	22	81·8	76·5	79·3	+ 1·8	81	+36	46	− 58	14	− 2	1·01	26	− 30	1·3	0·0	17	1016
3. ENGLAND, EAST ..	56	19	81·2	75·9	78·6	+ 1·0	68	+14	66	− 43	12	− 5	0·96	24	− 31	1·3	− 0·1	17	1017
4. MIDLAND COUNTIES	58	20	81·5	76·2	79·0	+ 1·7	74	+20	54	− 66	15	− 2	1·36	35	− 29	0·9	− 0·3	12	1018
5. ENGLAND, S.E. ..	59	25	81·6	77·0	79·4	+ 0·9	81	+ 4	40	− 37	13	− 3	1·34	33	− 41	1·2	− 0·3	15	1019
Western.																			
6. SCOTLAND, WEST ..	55	21	82·3	77·0	79·8	+ 1·8	93	+37	32	− 49	21	+2	4·80	122	− 7	—	—	—	1014
7. ENGLAND, N.W. ..	57	26	82·3	77·6	80·0	+ 1·8	95	+35	22	− 57	20	+1	2·62	67	− 23	1·1	0·0	15	1016
8. ENGLAND, S.W. ..	56	25	82·7	78·2	80·5	+ 1·3	111	+20	13	− 42	18	− 1	2·01	51	− 64	1·0	− 0·5	13	1019
9. IRELAND, NORTH ..	56	28	83·3	79·0	81·2	+ 2·8	139	+75	6	− 70	22	+1	2·69	68	− 25	0·8	− 0·5	11	1014
10. IRELAND, SOUTH ..	59	28	84·2	79·7	82·0	+ 2·7	174	+77	0	− 58	19	− 1	2·36	60	− 44	1·0	− 0·5	13	1018
11. ENGLISH CHANNEL..	58	36	84·1	81·1	82·7	+ 1·5	208	+62	0	− 13	18	− 3	1·76	45	− 56	1·0	− 0·8	12	1020
MEAN: DISTRICTS 1-10..	59	11	82·2	77·3	79·8	+ 1·8	98	+34	35	− 55	17	− 1	2·09	53	− 32	1·1	− 0·2	14	1016

THE YEAR. Aggregates, &c., for the Period of 51 Weeks, January 2nd to December 24th, 1921.

0. SCOTLAND, NORTH ..	81	16	84·6	78·3	81·3	+ 0·7	2264	+163	463	−279	227	−14	50·67	1288	+19	3·0	− 0·1	24	1013
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·4	77·9	81·5	+ 0·7	2488	+169	605	−270	189	−14	25·51	647	−126	4·1	+ 0·4	33	1014
2. ENGLAND, N.E. ..	92	15	87·0	79·4	83·0	+ 1·3	3290	+611	366	−275	149	−35	17·29	444	−176	4·4	+ 0·4	36	1017
3. ENGLAND, EAST ..	91	19	88·0	79·7	83·7	+ 1·4	3736	+655	363	−308	119	−61	12·78	326	−267	5·0	+ 0·6	41	1018
4. MIDLAND COUNTIES	93	13	88·0	79·2	83·4	+ 1·4	3565	+593	409	−326	139	−40	17·42	446	−217	4·5	+ 0·6	36	1018
5. ENGLAND, S.E. ..	91	14	88·4	80·4	84·1	+ 1·2	3916	+596	276	−229	122	−53	13·16	335	−349	5·2	+ 0·6	42	1019
Western.																			
6. SCOTLAND, WEST ..	82	19	86·0	79·3	82·5	+ 0·9	2965	+385	320	−248	209	− 4	46·69	1186	+16	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	86·8	80·1	83·3	+ 1·2	3349	+532	247	−264	173	−24	28·31	722	−156	4·4	+ 0·4	36	1017
8. ENGLAND, S.W. ..	89	11	87·9	80·6	84·1	+ 1·3	3792	+628	184	−211	153	−44	22·55	574	−394	4·8	+ 0·4	39	1019
9. IRELAND, NORTH ..	86	23	86·6	80·1	83·3	+ 1·3	3254	+559	179	−293	214	−20	32·69	829	−120	3·5	− 0·1	28	1016
10. IRELAND, SOUTH ..	90	21	87·7	80·9	84·2	+ 1·4	3777	+638	136	−228	204	− 5	31·54	804	−187	4·0	0·0	32	1018
11. ENGLISH CHANNEL..	87	30	88·4	82·9	85·7	+ 1·5	4517	+733	29	− 92	150	−56	17·04	434	−382	5·6	+ 0·4	45	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·2	79·8	83·3	+ 1·2	3413	+537	309	−265	167	−30	24·79	631	−198	4·4	+ 0·4	36	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) | No. 52.

FIFTY-SECOND WEEK.

SUNDAY, DECEMBER 25TH, TO SATURDAY, DECEMBER 31ST, 1921.

Price 6d. Net, Post free 7d.
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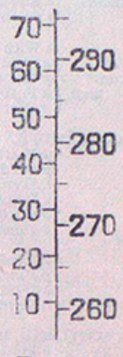
I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was of a very varied character. There were bright intervals, but at the majority of stations rain fell on six or seven days. Snow and hail occurred in several places. Thunder was reported at Rothesay, Lincoln and Cromer. Gales were general over the whole country towards the end of the week, the wind attaining a velocity of 70 to 75 miles per hour in gusts at exposed stations. The newspapers report loss of life and considerable damage to property.

There was much heavy rain in the north; amongst the heaviest amounts were 86mm. at Glencarron on the 31st, 43mm. at Eskdalemuir on the 26th, and 41mm. at Huddersfield, 34mm. at Burnley and 31mm. at Bradford on the 27th, while at Lancaster the total fall for the two days 26th and 27th was as much as 62mm. The total amount of rain for the week was above the normal in all districts with exception of England S.W. and the English Channel. Mean temperature was above the normal in all districts, and the mean daily range for the week was as much as 9a at several stations. The highest maxima occurred generally on the 27th or 28th when readings of 287a were registered in many parts of the country. The lowest of the screen minima occurred on the morning of the 26th when several stations registered a reading of 269a, and on the grass temperatures of 266a and below were recorded on the same date. The daily mean of bright sunshine for the week was above the normal at nearly all stations and several individual amounts of more than 5 hours were obtained either at the beginning or towards the end of the period; amongst the largest records were 6·2 hours at Tenbury on the 29th, 5·9 hours at Cockle Park (Morpeth), 5·6 hours at Durham and 5·4 hours at Edinburgh on the 25th and 5·4 hours at Cambridge, Clacton and Felixstowe on the 31st. The mean departure from the normal for the week ranged from +2·0 hours at Cranwell to —0·9 hours at Scilly. Aurora was seen at Aberdeen on the 28th. Solar halos were observed at Oxford on the 25th, 26th, 27th, 29th and 30th. The Zodiacal Light was witnessed at Oxford on each evening from the 28th to the 31st inclusive.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 26.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	—	—	26	5·2	12	5·0	16	5·0	14	6·3	10	5·5	22	6·4	19	5·5
North	—	—	1	5·1	13	3·8	7	2·8	9	5·7	11	6·0	3	3·3	8	4·5
West	—	—	28	6·7	28	6·4	26	4·6	28	9·7	27	10·9	27	8·6	27	8·0
East	—	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Calm	—	—	0	—	0	—	2	—	0	—	1	—	1	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

	Districts of the British Isles.											
	Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year .. Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very Unusual
Rainfall ..	Very Heavy	Very Heavy	Moderate	Heavy	Heavy	Moderate	Very Heavy	Heavy	Moderate	Heavy	Heavy	Moderate
Sunshine ..	—	Very Abundant	Very Abundant	Abundant	Abundant	Moderate	—	Abundant	Moderate	Abundant	Moderate	Scanty

The Season.—Enumeration of the characters of the Weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 5 weeks from Nov. 27th, 1921.	Warmth ..	3, 2, 0	3, 2, 0	4, 0, 1	4, 0, 1	4, 0, 1	3, 1, 1	4, 1, 0	4, 1, 0	4, 1, 0	5, 0, 0	5, 0, 0	4, 1, 0
	Rainfall ..	3, 1, 1	2, 0, 3	0, 2, 3	2, 1, 2	1, 2, 2	0, 4, 1	3, 0, 2	2, 1, 2	0, 3, 2	2, 1, 2	1, 2, 2	0, 2, 3
	Sunshine ..	—	2, 3, 0	2, 3, 0	2, 1, 2	2, 1, 2	1, 2, 2	—	2, 3, 0	0, 3, 2	1, 2, 2	0, 3, 2	0, 1, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°	(D).		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	50	26-28	40	1st	48·7	42·4	45·7	+ 5·9	6	1·19	30	+ 6										
p Deerness, Orkney ..	165	48	26-28	41	30th	47·4	42·4	45·0	+ 5·3	6	0·96	25	+ 4	Deerness ..	0·0	- 0·6	0	—	—	—	—	—	—
a Stornoway	51	51	26th	35	29th	48·1	41·9	45·1	+ 5·3	7	1·02	26	- 5	Stornoway ..	0·6	- 0·1	9	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—	—
b, Mainland. a Wick	81	48	26, 1	35	26th	46·6	38·1	42·5	+ 3·8	5	0·80	20	+ 5										
a Strathpeffer	125	54	26th	28	31st	43·7	31·0	37·6	+ 0·1	3	0·96	24	+ 6										
p Glencarron	500	52	26th	32	30th	46·9	37·6	42·4	+ 4·8	6	1·68	40	- 14										
a Fort Augustus.. ..	68	54	27th	30	31st	48·1	36·1	42·3	+ 4·2	6	0·77	20	- 10										
p Fort William	171	55	26th	32	30th	48·7	38·4	43·8	+ 4·3	7	1·77	45	- 7										
1. SCOTLAND, E.																							
a Nairn	82	50	26th	30	31st	45·0	34·7	40·1	+ 2·8	6	0·32	8	- 4	Nairn	1·9	—	29	—	—	—	—	—	—
p Gordon Castle	101	53	26th	32	30th	48·1	37·1	42·8	+ 4·5	5	0·43	11	- 2	Gordon Castle..	1·7	—	26	—	—	—	—	—	—
a Aberdeen	46	50	26th	34	28, 29	46·1	36·7	41·6	+ 3·5	6	0·63	16	0	Aberdeen ..	1·0	- 0·1	14	5	28	—	—	41·9	+0·4
a Balmoral	930	48	26, 1	27	31st	43·0	31·9	37·7	+ 3·2	6	0·56	14	- 3	Balmoral ..	—	—	—	5	25	—	—	—	—
p Crieff	432	51	28th	33	31st	46·9	37·3	42·3	+ 5·1	7	2·14	54	+ 30	Crathes	1·1	0·0	16	6	24	36·9	- 0·8	39·3	- 0·2
a Dundee	244	50	26th	32	27th	47·3	35·3	41·5	+ 4·2	6	1·43	36	+ 23	Dundee	1·1	—	17	5	24	36·1	—	—	—
a Leith	30	54	31st	29	28, 29, 31	49·3	40·9	45·3	+ 5·7	6	1·15	29	+ 19	Leith	—	—	—	1	30	—	—	—	—
p Edinburgh	441	54	26th	37	30th	49·6	40·3	45·1	+ 6·6	5	0·96	24	+ 13	Edinburgh ..	1·5	+ 0·3	22	0	31	—	—	—	—
a West Linton	769	51	31st	30	31st	46·7	36·9	42·0	+ 7·5	6	1·49	38	—	West Linton ..	0·7	—	10	2	27	—	—	—	—
p Marchmont	498	51	26th	31	31st	44·9	34·1	39·7	+ 3·0	6	2·24	57	+ 43	Marchmont ..	0·9	- 0·1	13	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	51	26, 31	32	31st	48·6	38·7	43·9	—	6	1·50	38	—	Ford (Argyll) ..	—	—	—	1	26	41·0	—	42·4	—
p Glasgow Observatory	180	53	26th	40	28th	48·3	42·0	45·3	+ 6·2	7	1·67	42	+ 20	Glasgow.. ..	0·3	- 0·1	4	0	33	—	—	—	—
a Renfrew	49	52	31st	32	29th	49·0	39·0	44·2	+ 5·4	7	1·89	48	+ 18	Renfrew ..	0·9	—	13	2	29	—	—	—	—
p Rothesay	200	52	26th	40	29-31	48·9	41·7	45·4	+ 5·4	7	1·38	35	+ 6	Rothesay ..	0·9	—	13	0	32	42·0	—	43·9	+0·3
a Kilmarnock	90	52	26, 31	38	28, 29	49·6	42·1	46·0	+ 7·6	7	1·44	37	+ 15	Kilmarnock ..	0·7	—	11	—	—	41·0	—	43·3	—
a Colmonell	170	54	1st	38	31st	49·9	42·4	46·3	+ 6·4	7	2·47	63	+ 34	Colmonell ..	—	—	—	0	33	—	—	—	—
p Dumfries	160	53	31st	38	30th	49·7	41·0	45·5	+ 7·1	7	2·26	57	+ 36	Dumfries ..	0·6	—	9	0	33	41·5	+2·1	42·2	-0·2
a Eskdalemuir	794	50	31st	35	30th	46·9	38·7	43·0	—	7	2·21	56	—	Eskdalemuir ..	0·4	—	6	0	32	—	—	—	—
b, I. OF MAN p Douglas	284	53	31st	41	30th	50·6	44·9	47·9	+ 6·3	6	1·94	49	+ 23	Douglas	1·2	+ 0·1	16	0	38	—	—	—	—
2. ENGLAND, N.E																							
a Alnwick Castle ..	210	54	31, 1	32	28th	49·1	38·0	43·8	+ 5·7	6	2·02	51	+ 37										
a Tynemouth	118	53	31st	38	28th	49·1	41·7	45·6	+ 6·8	6	1·38	35	+ 25										
p Durham	336	52	31st	34	31st	49·7	37·4	43·8	+ 6·5	7	1·15	29	+ 19	Durham ..	0·9	- 0·3	13	3	26	—	—	—	—
a North .. Rounton	249	54	30, 31	35	30th	50·0	39·0	44·7	+ 7·4	6	0·91	23	+ 13	Rounton ..	—	—	—	6	25	40·4	—	—	—
West Witton	605	58	31st	36	31st	50·0	40·7	45·5	—	7	1·65	42	—	West Witton ..	—	—	—	3	29	39·9	—	41·7	—
Scarborough	118	54	31, 1	41	31st	52·4	42·7	47·7	+ 8·7	6	1·26	32	+ 20	Scarborough† ..	0·2	- 0·8	3	—	—	—	—	43·4	—
p York	56	54	31st	40	26, 30, 31	50·7	41·1	46·1	+ 7·9	7	1·06	27	+ 16	York	0·4	- 0·3	6	—	—	42·2	+1·7	44·1	+0·2
a Spurn Head	26	51	26, 29, 31	35	30, 31	49·4	36·4	43·2	+ 4·0	7	1·50	38	+ 29	Spurn Head ..	—	—	—	—	—	—	—	—	—
b South .. a Lincoln	58	55	31st	40	31st	52·4	42·7	47·7	+10·0	7	1·28	33	+ 23	Lincoln	—	—	—	0	37	42·4	+2·9	43·3	-0·4
a Fulbeck	180	55	31st	40	31st	52·4	43·0	47·9	+10·1	7	1·53	39	+ 28	Fulbeck	1·6	+ 0·4	22	0	36	—	—	—	—
														Skegness ..	1·2	- 0·3	16	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	55	31st	36	31st	52·6	40·1	46·6	+ 8·1	7	0·57	14	+ 4	Cromer	1·1	- 0·1	15	—	—	—	—	—	—
a Little Massingham ..	277	53	31st	38	31st	51·0	41·0	46·2	+ 8·9	7	1·03	26	+ 12	Lit. Massingham	1·1	0·0	14	—	—	—	—	—	—
a Yarmouth	13	56	26th	39	27th	53·6	42·3	48·2	+ 9·8	6	0·88	22	+ 10	Yarmouth ..	1·6	—	21	0	32	43·9	+3·4	45·0	-0·1
a Norwich	93	54	31st	39	31st	52·7	43·0	48·0	+10·2	7	0·98	25	+ 12	Norwich ..	1·5	—	20	0	31	41·7	—	—	—
a Geldeston	37	58	26th	38	31st	54·7	42·0	48·6	+10·1	5	0·80	20	+ 9	Geldeston ..	0·7	- 0·5	10	—	—	—	—	—	—
p Cambridge	41	56	26, 31, 1	40	31, 1	54·4	42·6	48·7	+10·7	6	0·88	22	+ 12	Cambridge ..	1·6	+ 0·5	20	0	31	43·7	+2·9	45·1	+0·1
a Clacton-on-Sea ..	54	52	30th	42	27th	49·7	43·3	46·6	+ 8·0	6	0·78	20	+ 11	Clacton	1·4	+ 0·1	18	0	38	43·5	+1·2	45·3	-1·2
a Rothamsted	420	54	31st	40	31st	52·4	43·6	48·2	+10·3	7	1·04	26	+ 12	Rothamsted ..	1·5	+ 0·4	20	0	34	42·8	—	—	—
p Tottenham	51	56	31, 1	43	27, 29	54·9	46·3	50·8	—	7	1·19	30	—	Tottenham ..	0·2	—	2	0	39	—	—	45·1	—
														S'thend-on-Sea	1·6	—	21	0	37	43·5	+2·9	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	54	31st	37	28, 31	49·1	40·4	44·9	+ 7·8	6	1·69	43	+ 27	Harrogate ..	0·8	- 0·4	10	0	31	41·3	+1·2	42·0	0·0
p Sheffield	429	55	31st	40	31st	51·9	42·7	47·5	—	7	2·10	53	—	Sheffield.. ..	0·6	- 0·4	8	0	34	41·6	+1·7	42·6	-1·3
p Buxton	987	52	31st	39	31st	47·7	42·3	46·1	+ 9·3	7	2·52	64	+ 33	Buxton	0·5	—	7	0	34	41·0	+2·0	41·7	-1·8
b, East .. a Worksop	56	56	31st	35	31st	50·7	42·0	46·5	+ 8·6	7	1·52	39	+ 26	Worksop ..	0·3	- 0·6	4	2	28	42·3	—	43·2	—
a Nottingham	82	56	31st	40	31st	52·9	43·7	48·5	+10·2	7	1·77	46	+ 32	Nottingham ..	1·1	+ 0·3	15	0	36	43·6	+4·3	42·0	-0·4
p Birmingham, Edgbsn.	525	54	31st	43	1st	52·0	44·6	48·5	+10·3	7	1·83	46	+ 31	Birmingham ..	0·8	0·0	11	0	38	45·0	+3·3	45·3	-0·6
a Raunds	203	60	26th	40	27th	55·0	43·3	49·4	+12·2	5	1·14	29	+ 16	Raunds	1·3	—	17	0	37	43·1	—	—	—
p Oxford	208	56	31st	45	27, 30, 1	54·1	45·9	50·2	+11·2	7	1·41	36	+ 22	Oxford	1·4	+ 0·2	18	0	35	—	—	—	—
														Malvern ..	1·0	—	13	0	39	44·1	—	43·7	—
a Cheadle (N. Staffs.) ..	646	52	29, 31	41	29, 31	50·1	43·0	46·7	+ 9·8	7	2·25	57	+ 39	Cheadle	—	—	—	0	35	—	—	—	—
c, West .. p Tenbury	313	55	31st	44	27th	52·4	45·6	49·1	+ 9·9	7	1·59	40	+ 28	Tenbury	—	—	—	0	38	43·7	—	—	—
a Hereford	291	54	31st	45	26, 27, 31	52·3	45·7	49·1	+10·4	7	1·70	43	+ 27	Ross-on-Wye ..	0·8	—	10	0	38	44·7	—	44·6	—
a Clifton	225	56	31st	45	30th	53·4	46·3	50·0	+ 9·7	7	1·83	47	+ 26	Clifton	1·4	—	18	0	40	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	54	26, 28, 30	42	30th	52·9	45·4	49·3	+11·2	7	1·66	42	+ 24	Worthing ..	1·3	- 0·2	16	0	40	46·0	+3·6	45·8	-1·0
p Wilton Ho.*	180	—	—	—	—	—	—	—	—	—	—	—	—	Marlborough ..	1·0	0·0	13	0	32	45·7	—	46·3	—
a Wisley, Surrey ..	150	57	26, 31, 1	46	27, 1	55·1	47·4	51·4	+12·3	7	0·79	20	+ 7	Wilton Ho. ..	—	—	—	—	—	—	—	—	—
a Tunbridge Wells ..	354	55	26th	44	27th	53·7	47·1	50·5	+11·4	7	1·28	33	+ 15	Wisley	1·6	+ 0·4	20	0	33	44·9	+3·3	44·9	-0·5
a Margate	51	56	22, 31	45	27th	55·0	46·7	51·0	+10·7	6	0·43	11	- 1	Tunbridge Wells	1·0	- 0·2	12	0	38	45·2	+4·2	44·9	—
														Margate	0·6	- 0·6	8	0	40	45·8	+2·6	45·5	- 0·6
a Dungeness	21	54	29th	47	26th	52·6	48·4	50·6	+ 9·9	6	0·80	20	+ 6	Folkestone ..	—	—	—	—	—	—	—	—	—
p St. Leonards	178	53	26-31, 1	47	26, 27	53·0	48·0	50·6	+ 9·8	7	1·31	33	+ 17	St. Leonards ..	1·1	- 0·4	14	0	39	45·4	—	45·2	—
p Southampton	64	57	26th	45	27th	54·1	46·6	50·5	+ 9·6	7	1·63	41	+ 22	Southampton ..	1·2	- 0·1	16	0	37	—	—	—	—
a Ventnor	59	54	26th	47	27th	52·3	48·2	50·3	+ 7·4	7	1·77	45	+ 28	Ventnor	0·7	- 0·8	8	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	56	31st	43	1st	54·1	46·9	50·6	+11·0	6	0·69	17	+ 5	Richmond ..	1·5	+ 0·5	19	0	36	44·4	+2·9	44·2	-1·6
a Westminster	27	57	31st	45	27, 1	55·5	47·4	51·6	+11·1	7	0·73	19	+ 8	Westminster ..	1·1	+ 0·7	14	0	37	—	—	—	—
ag Greenwich	149	56	31st	42	27th	54·7	46·0	50·5	+10·9	6	0·65	17	+ 7	Greenwich ..	1·7	+ 0·6	22	0	35	—	—	—	—
a Hampstead	450	54	31st	43	26, 27	53·1	45·6	49·5	—	7	1·04	26	—	Hampstead ..	1·0	—	13	0	37	—	—	—	—
ag Camden Square ..	110	57?	31st	42	27th	54·7	46·3	50·7	+11·1	7	0·92	23	+ 10	Camden Square	—	—	—	0	36	—	—	—	—
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	53	26, 31	32	27th	49·9	38·7	44·5	+ 6·2	6	0·93	24	+ 3	Aspatria.. ..	0·0	- 1·0	0	1	23	43·1	+2·3	43·8	-0·8
p Newton Rigg	559	—	—	—	—	—	—	—	—	7	1·00	25	+ 4	Newton Rigg ..	0·4	- 0·6	5	1	30	—	—	—	—
p Stonyhurst	375	54	31st	40	31st	50·7	43·6	47·3	+ 9·0	6	2·06	52	+ 27	Stonyhurst ..	0·7	0·0	10	0	34	—	—	—	—
a Blackpool	66	53	31st	42	28, 31	50·9	43·6	47·4	+ 8·1	5	1·39	35	+ 19	Blackpool ..	1·0	0·0	13	0	38	43·0	—	44·6	—
a Southport	37	55	31st	41	28th	50·9	43·3	47·3	+ 7·9	4	1·36	35	+ 19	Southport ..	1·1	+ 0·1	15	0	35	41·5	+2·2	41·9	-0·6
														Hoylake ..	1·6	—	22	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	53	31st	43	28th	51·1	45·0	48·2	+ 8·1	6	1·39	35	+ 22	Liverpool ..	1·4	—	19	0	35	—	—	—	—
a Hawarden Bridge ..	22	57	31st	42	28th	53·3	45·0	49·3	+ 8·6	6	1·59	40	+ 29	Manchester(City)	0·0	- 0·2	0	0	42	42·5	+2·2	43·4	-1·2
p Manchester (Whit.Pk.)	126	56	31st	43	29, 30	52·9	44·7	49·0	+ 9·4	7	1·58	40	+ 24	Whitworth Park	0·3	- 0·1	4	—	—	—	—	—	—
a. NORTH WALES.																							
p Llandudno	22	58	31st	44	27, 28, 30	54·6	46·0	50·5	+ 8·4	6	1·43	36	+ 20	Llandudno ..	1·6	+ 0·4	21	—	—	—	—	—	—
a Holyhead	10	53	26, 27	42	29th	51·6	45·0	48·4	+ 5·9	6	1·63	41	+ 21	Holyhead ..	0·4	—	5	0	42	—	—	—	—
a Aberdovey	60	55	26, 30, 31	47	26, 29-31	53·4	47·3	50·5	—	7	1·91	49	—	Aberdovey ..	1·1	0·0	15	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date	Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from average	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
5. a. SOUTH WALES.																							
a Aberystwyth	16	55	30th	45	30th	52·9	47·4	50·3	—	7	2·04	52	—	Aberystwyth ..	0·3	− 0·8	4	—	—	—	—	—	—
a Rhayader	757	54	30, 31	43	28, 31	52·1	44·7	48·6	—	7	2·46	63	—	Rhayader ..	0·6	—	8	0	39	—	—	—	—
a St. Ann's Head ..	149	52	29–31	46	28th	51·7	48·6	50·2	+ 6·3	7	2·24	57	+ 32	St. Ann's Head	1·3	+ 0·2	17	—	—	—	—	—	—
p Cardiff	202	54	28–31	45	26, 29, 1	53·4	46·0	49·9	+ 9·8	7	·72	69	+ 42	Cardiff	1·2	—	15	0	33	44·6	+ 2·7	44·9	− 0·8
b. ENGLAND, S.W.																							
a Bath	66	57	31st	41	29th	55·1	46·7	51·1	+10·9	6	1·42	36	+ 18	Bath	1·4	+ 0·3	18	—	—	45·0	+ 2·2	45·5	− 1·3
a Shaftesbury	722	58	26th	41	26th	52·4	43·7	48·2	+ 9·6	7	1·28	33	+ 13	Shaftesbury ..	—	—	—	—	—	45·5	—	44·8	—
a Arlington	613	54	31st	44	28th	52·4	45·8	49·2	+ 9·0	6	2·52	64	+ 28										
a Newquay	190	55	29–31	48	26, 30, 1	54·4	48·9	51·8	+ 7·1	7	1·64	42	+ 18	Newquay ..	0·7	− 0·6	9	0	42	48·1	—	47·6	—
a Cullompton	202	57	28th	40	1st	55·0	46·3	50·8	+10·2	7	1·02	26	+ 2	Cullompton ..	0·3	− 0·7	4	0	31	—	—	46·8	—
a Portland Bill	19	54	28, 29	47	26–31, 1	53·3	47·0	50·3	+ 6·5	7	1·54	39	+ 23	Weymouth ..	0·8	—	10	—	—	—	—	—	—
p Plymouth	116	55	28th	48	28th	53·9	50·0	52·0	+ 8·6	6	2·16	55	+ 28	Plymouth ..	0·2	− 1·0	3	0	45	47·7	+ 2·9	47·0	—
a Falmouth	167	56	27th	47	28, 29	54·4	48·6	51·6	+ 7·2	7	2·58	66	+ 32	Falmouth ..	0·3	− 1·1	4	0	43	49·1	—	48·0	—
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	53	30th	39	28th	49·3	42·9	46·2	+ 4·5	4	0·31	8	− 10	Malin Head ..	0·9	—	13	—	—	—	—	—	—
a Blacksod Point ..	10	755	26th	40	30th	52·1	45·6	49·0	+ 5·6	5	0·91	23	− 10	Mallarany ..	0·9	—	12	0	36	—	—	—	—
a Mallarany	120	51	27, 30, 1	40	28, 30	50·8	43·7	47·3	—	7	1·56	40	—	Markree Castle	0·8	− 0·1	10	0	27	42·8	+ 0·6	44·8	− 1·2
p Markree Castle ..	122	57	26th	32	30th	51·0	40·7	46·1	+ 6·1	5	1·25	32	+ 6										
b, East .. { *p* Armagh	204	54	31st	33	28th	50·4	41·0	45·9	+ 6·1	5	1·55	39	+ 22	Armagh	1·0	0·0	14	0	31	42·9	+ 1·5	44·4	− 0·4
a Donaghadee	35	54	31st	38	31st	50·9	41·9	46·6	+ 5·4	7	2·36	60	+ 43										
10. IRELAND, S.																							
p Dublin, City	54	56	31st	42	30th	52·7	45·6	49·3	+ 6·9	6	1·25	32	+ 17	Trinity Coll. ..	1·1	—	14	0	36	45·1	+ 3·0	45·7	+ 0·5
a Birr Castle	175	54	30, 31	39	28th	51·7	41·9	47·0	+ 6·5	7	1·39	35	+ 15	Phœnix Park ..	2·1	+ 0·7	28	0	38	—	—	—	—
a Kilkenny	195	56	31st	39	30th	52·7	42·6	47·9	+ 7·3	7	1·68	43	+ 22	Dublin City ..	—	—	—	0	39	—	—	—	—
a Waterford	137	53	30, 31	42	30th	51·9	44·9	48·5	+ 5·9	6	3·90	99	+ 72	Birr Castle ..	1·6	+ 0·4	22	0	32	—	—	—	—
p Seskin, Carrick-on-Suir	542	53	31st	42	30th	51·6	44·9	48·4	—	7	2·81	72	—	Seskin	0·8	—	11	0	38	—	—	—	—
a Cahir	199	55	27, 28	39	30–1	52·4	41·0	46·9	—	7	1·96	50	—										
a Foynes	50	55	30th	41	30th	52·4	43·3	48·0	+ 5·3	6	0·94	24	− 4										
a Cahirciveen (Val. Obs.)	30	55	26, 30	44	27, 28	53·4	46·3	50·0	+ 4·8	5	3·15	80	+ 41	Cahirciveen ..	1·0	− 0·1	13	0	38	—	—	—	—
a Killarney	174	55	30th	42	28th	52·8	45·4	49·3	+ 5·9	7	2·48	63	+ 30	Ballinacurra ..	—	—	—	—	—	—	—	—	—
a Roche's Point	32	54	31st	45	28, 30	52·3	47·4	50·0	+ 5·6	7	2·19	56	+ 25										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	151	54	27–31	48	28th	53·7	50·4	52·1	+ 5·5	7	1·50	38	+ 15	Scilly	1·0	− 0·7	12	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	56	29th	48	28th	54·0	48·6	51·4	+ 7·3	7	1·12	28	+ 6	St. Heliers ..	0·6	− 1·2	7	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	55	28, 29	49	26, 31	53·9	50·1	52·1	+ 7·8	7	1·63	41	+ 17	Guernsey† ..	0·6	− 1·1	7	0	41	48·4	+ 2·5	47·7	− 1·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 1st, 1921.

DISTRICT AND STATION‡	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	31	5	25, 26, 27, 31	28	38	87	10	0	110	18	31	16	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	16	56	18	78	120	10	31	12	20	31	12	50
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	31	6	11	103	43	0	150	13	31	13	—	—	—	—
Edinburgh	485	39	51	—	0	26, 31, 1	8	48	84	28	0	230	12	31	24	21	31	15	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	26, 31, 1	16	56	59	37	0	{190 / 230	13 / —	26	1 / 10	20	26	0	45
Paisley	188	81	15	—	0	26	1	35	92	40	0	200	11	26	1	21	26	1	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	19	45	104	0	150	10	31	10	17	31	9	10
South Shields	72	61	12	—	0	—	0	15	75	78	0	150	10	31	9	14	31	9	5
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	31	3	65	93	7	0	200	12	31	11	19	30	10	5
Shoeburyness	103	90	‡	—	0	29 to 31	8	98	61	1	0	200	13	31	10	19	30	0	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	28, 31	4	100	64	0	0	180	12	31	8	16	31	8	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	75	82	11	0	—	11	31	12	20	28	6	30
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	—	0	28 to 31	24	114	30	0	0	230	14	29	23	21	29	23	40
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	67	88	13	0	200	10	29	24	19	30	1	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	31	5	58	62	4	39	140	13	31	9	—	—	—	—
Southport	80	62	48	—	0	28, 30	10	70	87	1	0	230	18	30	3	23	30	2	55
Holyhead	60	40	‡	—	0	27, 29 to 31	21	98	47	2	0	230	14	29	24	23	31	4	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	27 to 29, 31, 1	19	26 to 1	72	57	20	0	0	210	20	1	22	26	31	8	10
Plymouth	135	88	2	28, 31, 1	6	26, 1	52	90	20	0	0	—	18	{31 / 1}	5 / 24	25	28	1	45
Lyme Regis	556	61	‡	—	0	27, 31	2	42	61	54	2	—	12	31	12	17	31	11	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	27, 29 to 1	8	64	88	8	0	150	12	27	5	—	—	—	—
Quilty	100	40	‡	—	0	26, 27, 30, 31	23	133	12	0	0	—	14	30	18	20	30	17	50
Cahirciveen (Val. Obs.)	98	41	‡	—	0	26 to 28, 30	30	96	40	2	0	230	16	27	5	29	26	19	25
Weaver Pt.	180	30	‡	26, 27	2	26 to 1	46	85	35	0	0	—	18	27	5	25	27	4	30
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	27	2	86	72	8	0	300	15	27	23	21	27	23	10

† More exactly the ranges adopted for this classification are >17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.
¶ Tube Anemograph out of action since Feb. 5th, 1920.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1920—December 26th, 1920 to January 1st, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of. Daily Max.	Means of. Daily Min.	Means of. Daily Mean.	Means of. Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Deviation from Normal	Rainfall. Number of Days of Precipitation.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH	55	28	81·5	76·3	79·0	+ 2·2	22	+ 15	11	−22	6	+ 1	1·16	29	− 3	0·3	−0·3	4	1000
Eastern.																			
1 SCOTLAND, EAST	54	27	80·9	75·3	78·2	+ 2·2	12	+ 6	24	−18	6	+ 2	1·12	28	+ 12	1·3	+0·3	18	1000
2 ENGLAND, N.E. ...	55	32	83·3	77·6	80·6	+ 3·9	33	+ 25	5	−28	7	+ 3	1·34	34	+ 23	0·8	−0·3	11	1003
3 ENGLAND, EAST	58	36	84·6	78·9	81·9	+ 5·4	42	+ 34	0	−35	6	+ 2	0·91	23	+ 11	1·2	0·0	15	1008
4 MIDLAND COUNTIES ...	60	35	84·2	79·7	82·1	+ 5·6	44	+ 34	0	−37	7	+ 3	1·67	42	+ 27	0·9	−0·1	12	1006
5 ENGLAND, S.E. ...	57	42	85·0	81·4	83·3	+ 5·7	60	+ 46	0	−27	7	+ 3	1·15	29	+ 13	1·1	−0·1	14	1009
Western.																			
6. SCOTLAND, WEST	54	32	82·7	78·4	80·7	+ 3·3	27	+ 16	1	−28	7	+ 2	1·81	46	+ 16	0·7	0·0	10	1002
7. ENGLAND, N.W. ...	58	32	84·1	79 6	81·9	+ 4·5	43	+ 31	0	−27	6	+ 2	1·43	36	+ 17	0·9	0·0	12	1002
8. ENGLAND, S.W. ...	58	40	84·9	81·2	83·1	+ 4·6	57	+ 40	0	−19	7	+ 2	1·99	51	+ 24	0·7	−0·5	8	1006
9. IRELAND, NORTH	57	32	83·5	78·7	81·2	+ 3·3	34	+ 20	0	−21	6	+ 1	1·30	33	+ 11	0·9	−0·1	12	998
10. IRELAND, SOUTH	56	39	84·4	79·8	82·2	+ 3·2	46	+ 25	0	−17	6	+ 1	2·10	54	+ 26	1·6	+0·3	21	999
11. ENGLISH CHANNEL	56	48	85·2	82·8	84·1	+ 3·7	69	+ 40	0	− 6	7	+ 2	1·42	36	+ 13	0·7	−1·0	9	1008

THE SEASON (Winter).—Aggregates, &c., for the Period of 5 Weeks, November 28th, 1920 to January 1st, 1921.

0. SCOTLAND, NORTH	56	17	79·8	74·8	77·4	+ 0·4	51	+ 4	122	− 20	21	− 6	5·08	128	− 51	0·4	−0·2	6	1011
Eastern.																			
1. SCOTLAND, EAST	54	11	78·7	73·5	76·2	− 0·2	33	− 10	187	+ 8	22	+ 1	3·62	92	+ 4	1·6	+0·5	22	1012
2. ENGLAND, N.E. ...	55	15	80·0	75·3	77·7	+ 0·4	65	+ 12	119	−18	26	+ 6	3·37	86	+ 19	0·9	−0·3	12	1014
3. ENGLAND, EAST	58	4	80·2	75·1	77·8	+ 0·4	81	+ 19	136	− 8	29	+ 8	3·02	76	+ 9	0·9	−0·5	11	1015
4. MIDLAND COUNTIES ...	60	−1	80·0	75·0	77·6	+ 0·4	85	+ 21	152	− 5	22	+ 1	3·42	86	+ 7	0·9	−0·3	11	1015
5. ENGLAND, S.E. ...	57	13	80·7	76·3	78·6	+ 0·3	118	+ 27	107	+ 3	25	+ 5	3·58	91	+ 1	0·9	−0·6	12	1015
Western.																			
6. SCOTLAND, WEST	55	20	80·2	75·4	77·9	0·0	66	− 1	116	+ 6	25	+ 1	5·58	143	− 16	0·8	−0·2	12	1014
7. ENGLAND, N.W. ...	59	19	80·4	75·8	78·2	+ 0·2	88	+ 16	120	+14	23	0	3·41	86	− 23	1·2	+0·1	16	1013
8. ENGLAND, S.W. ...	58	15	81·0	76·2	78·7	− 0·4	122	+ 14	113	+39	22	− 2	5·18	132	− 10	1·5	0·0	18	1015
9. IRELAND, NORTH	57	21	81·0	75·4	78·3	0·0	97	+ 19	104	+ 7	23	− 3	4·06	103	− 12	1·6	+0·4	21	1011
10. IRELAND, SOUTH	58	16	81·5	75·8	78·8	− 0·4	119	+ 1	105	+30	21	− 4	5·56	141	+ 9	1·7	+0·2	22	1013
11. ENGLISH CHANNEL	57	28	82·5	79·1	80·9	− 0·1	180	+ 5	32	+13	27	+ 1	4·16	105	− 19	1·2	−0·6	15	1015

THE YEAR 1920.—Aggregates, &c., for the Period of 52 Weeks, January 4th, 1920 to January 1st, 1921.

0. SCOTLAND, NORTH	79	17	84·2	78·0	81·0	+ 0·4	2179	+ 71	542	−233	226	−20	55·12	1400	+ 99	3·3	+0·2	27	1010
Eastern.																			
1. SCOTLAND, EAST	81	11	84·6	77·4	80·9	+ 0·2	2247	− 78	730	−187	207	0	31·99	811	+ 22	3·7	+0·1	30	1011
2. ENGLAND, N.E. ...	79	15	85·8	78·8	82·2	+ 0·6	2864	+177	455	−219	192	+ 4	26·06	664	+ 33	3·8	−0·2	29	1014
3. ENGLAND, EAST	84	4	86·8	79·0	82·8	+ 0·6	3284	+195	514	−192	179	− 5	21·36	545	− 60	4·3	0·0	35	1016
4. MIDLAND COUNTIES ...	82	−1	86·5	78·7	82·4	+ 0·5	3032	+ 50	504	−268	197	+14	30·86	784	+106	3·2	−0·6	26	1015
5. ENGLAND, S.E. ...	81	13	87·0	79·8	83·3	+ 0·5	3482	+148	319	−213	176	− 3	26·66	681	− 19	4·0	−0·5	33	1016
Western.																			
6. SCOTLAND, WEST	80	20	85·1	79·0	81·9	+ 0·3	2650	+ 59	411	−186	239	+21	51·83	1318	+118	3·1	−0·6	26	1013
7. ENGLAND, N.W. ...	81	19	85·6	79·6	82·5	+ 0·5	2973	+144	339	−199	213	+12	39·12	994	+ 97	3·4	−0·5	28	1014
8. ENGLAND, S.W. ...	78	15	86·3	80·0	83·0	+ 0·3	3241	+ 60	265	−149	205	+ 3	40·85	1037	+ 42	3·6	−0·7	30	1015
9. IRELAND, NORTH	77	21	85·6	79·2	82·3	+ 0·4	2848	+139	347	−146	252	+13	40·95	1040	+ 69	3·1	−0·4	26	1011
10. IRELAND, SOUTH	78	16	86·3	80·0	83·1	+ 0·3	3228	+ 68	252	−129	239	+25	45·22	1148	+129	3·4	−0·6	28	1014
11. ENGLISH CHANNEL	75	28	87·0	82·2	84·5	+ 0·3	3966	+153	52	− 75	185	−26	29·94	758	− 81	4·6	−0·5	38	1017
	°F	°F	a.	a	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
7th January, 1921.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

British Meteorological and Magnetic Year-Book. Part I.

METEOROLOGICAL OFFICE
7 JAN 1922
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FORTY-FOURTH YEAR. Vol. XXXVIII. (New Series) No. 52.

FIFTY-SECOND WEEK.

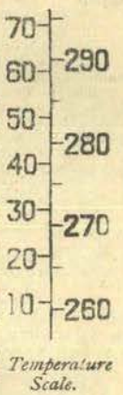
SUNDAY, DECEMBER 25TH, TO SATURDAY, DECEMBER 31ST, 1921.

Price 6d. Net, Post free 7d.
Annual Subscription (including the Monthly Weather Report), £1 15s. 0d., Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was of a very varied character. There were bright intervals, but at the majority of stations rain fell on six or seven days. Snow and hail occurred in several places. Thunder was reported at Rothesay, Lincoln and Cromer. Gales were general over the whole country towards the end of the week, the wind attaining a velocity of 70 to 75 miles per hour in gusts at exposed stations. The newspapers report loss of life and considerable damage to property.

There was much heavy rain in the north; amongst the heaviest amounts were 86mm. at Glencarron on the 31st, 43mm. at Eskdalemuir on the 26th, and 41mm. at Huddersfield, 34mm. at Burnley and 31mm. at Bradford on the 27th, while at Lancaster the total fall for the two days 26th and 27th was as much as 62mm. The total amount of rain for the week was above the normal in all districts with exception of England S.W. and the English Channel. Mean temperature was above the normal in all districts, and the mean daily range for the week was as much as 9a at several stations. The highest maxima occurred generally on the 27th or 28th when readings of 287a were registered in many parts of the country. The lowest of the screen minima occurred on the morning of the 26th when several stations registered a reading of 269a, and on the grass temperatures of 266a and below were recorded on the same date. The daily mean of bright sunshine for the week was above the normal at nearly all stations and several individual amounts of more than 5 hours were obtained either at the beginning or towards the end of the period; amongst the largest records were 6·2 hours at Tenbury on the 29th, 5·9 hours at Cockle Park (Morpeth), 5·6 hours at Durham and 5·4 hours at Edinburgh on the 25th and 5·4 hours at Cambridge, Clacton and Felixstowe on the 31st. The mean departure from the normal for the week ranged from +2·0 hours at Cranwell to —0·9 hours at Scilly. Aurora was seen at Aberdeen on the 28th. Solar halos were observed at Oxford on the 25th, 26th, 27th, 29th and 30th. The Zodiacal Light was witnessed at Oxford on each evening from the 28th to the 31st inclusive.



Temperature Scale.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E. Gorleston.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 26.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼ day	m/s	¼-day	m/s
South	—	—	26	5·2	12	5·0	16	5·0	14	6·3	10	5·5	22	6·4	19	5·5
North	—	—	1	5·1	13	3·8	7	2·8	9	5·7	11	6·0	3	3·3	8	4·5
West	—	—	28	6·7	28	6·4	26	4·6	28	9·7	27	10·9	27	8·6	27	8·0
East	—	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Calm	—	—	0	—	0	—	2	—	0	—	1	—	1	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below.* Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very Unusual
	Rainfall ..	Very Heavy	Very Heavy	Moderate	Heavy	Heavy	Moderate	Very Heavy	Heavy	Moderate	Heavy	Heavy	Moderate
	Sunshine ..	—	Very Abundant	Very Abundant	Abundant	Abundant	Moderate	—	Abundant	Moderate	Abundant	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 5 weeks from Nov. 27th, 1921.	Warmth ..	3, 2, 0	3, 2, 0	4, 0, 1	4, 0, 1	4, 0, 1	3, 1, 1	4, 1, 0	4, 1, 0	4, 1, 0	5, 0, 0	5, 0, 0	4, 1, 0
	Rainfall ..	3, 1, 1	2 0, 3	0, 2, 3	2, 1, 2	1, 2, 2	0, 4, 1	3, 0, 2	2, 1, 2	0, 3, 2	2, 1, 2	1, 2, 2	0, 2, 3
	Sunshine ..	—	2, 3, 0	2, 3, 0	2, 1, 2	2, 1, 2	1, 2, 2	—	2, 3, 0	0, 3, 2	1, 2, 2	0, 3, 2	0, 1, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained on application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
		Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F.	°F.	°F
0. SCOTLAND, N.																							
t Lerwick	54	46	26th	29	31st	41·7	34·3	38·2	−1·6	7	1·89	48	+24										
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	—
a, Islands *t* Stornoway	51	51	26, 30	33	28, 29	43·3	35·7	39·7	− 0·1	7	3·35	85	+54	Stornoway	0·3	− 0·3	5	—	—	—	—	—	—
t Castlebay, Barra I.	37	52	30th	36	29th	46·4	40·4	43·5	—	7	1·22	31	—	Castlebay	0·5	—	7	—	—	—	—	—	—
t Wick	81	48	26, 30	30	28, 29	40·9	33·9	37·5	− 1·2	6	1·17	30	+15										
a Strathpeffer	125	53	31st	30	27, 28	44·7	31·7	38·5	+1·0	6	2·99	76	+58										
b, Main- *p* Glencarron	500	51	30th	31	29th	43·9	34·3	39·3	+1·7	7	7·12	181	+127										
land. *a* Fort Augustus	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	52	30th	34	28th	45·9	36·6	41·4	+1·9	7	5·48	139	+87										
1. SCOTLAND, E.																							
t Nairn	82	51	26th	32	28, 29	42·1	35·1	38·7	+1·4	6	1·75	44	+32	Nairn	0·9	—	14	—	—	—	—	—	—
p Gordon Castle	101	53	26th	33	25, 28,29	44·0	35·3	39·8	+1·5	6	1·16	29	+16	Gordon Castle	1·4	—	22	—	—	—	—	—	—
t Aberdeen	46	52	26th	33	28th	43·6	35·3	39·6	+1·5	2	0·31	8	− 8	Aberdeen	2·4	+1·4	36	5	25	—	—	43·0	+1·5
a Balmoral	930	50	26th	28	30th	40·4	30·6	35·7	+1·2	7	1·69	43	+26	Balmoral	—	—	—	6	20	—	—	—	—
p Crieff	432	51	26, 30	32	29, 30	44·7	34·3	39·7	+2·5	6	1·81	46	+22	Crathes	2·4	+1·3	35	4	24	37·2	—	42·2	—
a Dundee	244	55	31st	28	25th	46·9	31·9	39·7	+2·4	6	0·65	17	+ 4	Dundee	2·5	—	37	6	24	36·6	—	—	—
														Inchkeith									
t Inchkeith (F. of Forth)	190	54	26th	31	30th	45·4	38·0	41·9	—	5	1·02	26	—	(F. of Forth)	—	—	—	0	33	—	—	—	—
p Edinburgh	441	54	26th	34	29th	46·0	36·4	41·4	+2·9	6	1·65	42	+31	Edinburgh	1·9	+0·7	28	1	28	—	—	—	—
a West Linton	769	52	31st	28	30th	47·7	31·4	39·9	+5·4	7	2·72	69	—	West Linton	—	—	—	6	24	—	—	—	—
a Marchmont	498	—	—	—	—	—	—	—	—	—	—	—	—	Marchmont	—	—	—	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	53	29th	32	25th	48·4	35·4	42·2	—	7	3·59	91	—	Ford (Argyll)	—	—	—	1	28	41·5	—	45·5	—
t Renfrew	49	54	30th	34	30th	46·3	38·0	42·3	—	7	2·52	64	—	Renfrew	0·9	—	14	3	29	—	—	—	—
p Rothesay	200	54	26th	35	28,29,30	46·6	36·6	41·8	+1·8	7	3·16	80	+51	Rothesay	0·8	—	12	2	29	40·1	—	45·3	+1·7
a Kilmarnock	90	53	26th	31	25th	48·9	36·6	43·0	+4·6	7	2·78	71	+49	Kilmarnock	0·6	—	9	—	—	40·9	—	45·8	—
a Colmonell	170	53	26, 31	31	25th	49·4	38·3	44·1	+4·2	7	2·01	51	+22	Colmonell	—	—	—	1	30	—	—	—	—
p Dumfries	160	53	26th	33	29th	47·0	36·3	41·9	+3·5	7	2·54	65	+44	Dumfries	1·7	—	24	3	25	40·9	+1·5	44·7	+2·3
t Eskdalemuir	794	50	26, 30	30	26th	42·9	34·0	38·6	—	7	4·92	125	—	Eskdalemuir	1·4	—	21	3	24	—	—	—	—
b, I. OF MAN *h* Douglas	284	53	26th	36	26th	47·4	39·0	43·4	+1·8	7	1·73	44	+18	Douglas	2·0	+1·0	27	0	32	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle	210	55	26th	32	25th	49·1	35·6	42·6	+4·5	5	0·70	18	+ 4	Cockle Park	2·8	+1·4	39	1	28	38·7	+1·2	43·0	+1·9
t Tynemouth	118	54	26th	35	29th	47·6	37·6	42·8	+4·0	5	0·72	18	+ 8										
p Durham	336	53	26, 27	34	25, 26, 28	48·0	35·3	41·9	+4·6	5	0·75	19	+ 9	Durham	2·9	+1·7	41	2	27	—	—	—	—
a North *p* Rounton	249	—	—	—	—	—	—	—	—	—	—	—	—	Rounton	—	—	—	—	—	—	—	—	—
a West Witton	605	52	26th	30	25th	47·7	35·1	41·7	—	6	2·15	55	—	West Witton	—	—	—	4	23	39·8	—	44·0	—
h Scarborough	118	54	30th	34	26th	48·1	37·6	43·1	+4·1	5	0·65	17	+ 5	Scarborough †	2·9	+1·9	40	—	—	—	—	44·7	—
p York	56	54	30th	31	26th	49·7	37·1	43·7	+5·5	5	0·91	23	+12	York	2·3	+1·5	31	—	—	41·6	+1·1	45·6	+1·7
t Spurn Head	26	51	30th	34	25th	46·7	37·7	42·4	+3·4	6	0·69	18	+ 9	Spurn Head	2·9	—	40	—	—	—	—	—	—
b, South *a* Lincoln	58	53	30, 31	29	26th	50·1	35·9	43·3	+5·6	5	0·32	8	− 2	Lincoln	—	—	—	1	27	40·3	+0·8	45·5	+1·8
t Cranwell	237	55	28th	31	26th	48·1	37·0	42·8	+5·0	6	0·66	17	+ 6	Cranwell	3·2	+2·0	43	1	24	—	—	—	—
														Skegness	3·1	+1·6	41	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	58	27th	27	31st	50·0	33·4	42·0	+3·5	7	0·33	8	− 2	Cromer	2·4	+1·1	32	—	—	—	—	—	—
a Little Massingham	277	56	27th	29	26th	48·7	34·3	41·8	+5·1	6	0·63	16	+ 2	Lit Massingham	2·4	+1·4	33	—	—	—	—	—	—
t Yarmouth	13	58	28th	31	26th	48·1	38·1	43·3	+4·9	6	0·85	22	+10	Yarmouth	2·6	—	35	1	30	42·0	+1·5	46·4	+1·3
a Norwich	93	58	27th	28	26th	59·3	35·6	43·2	+5·4	6	0·89	23	+10	Norwich	2·4	—	32	4	22	39·8	—	—	—
a Geldeston	37	59	27th	25	26th	51·4	33·4	42·8	+4·3	6	0·79	20	+ 9	Geldeston	2·4	+1·2	32	—	—	—	—	—	—
p Cambridge	41	58	28th	28	26th	50·6	34·9	43·1	+5·1	6	0·55	14	+ 4	Cambridge	2·4	+1·3	32	4	28	41·8	+1·0	46·9	+1·9
t Clacton-on-Sea	54	56	28th	30	26th	48·0	38·0	43·2	+4·6	5	0·67	17	+ 8	Clacton-on-Sea	2·0	+0·7	26	1	26	41·9	− 0·4	47·3	+0·8
a Rothamsted	420	56	27th	28	26th	50·3	34·1	42·5	+4·6	6	0·88	22	+ 8	Rothamsted	2·3	+1·1	30	4	24	41·2	—	—	—
p Tottenham	51	57	28th	31	26th	50·7	38·3	44·8	—	5	0·41	10	—	Tottenham	1·1	—	14	—	—	—	—	47·4	+1·0
														Southend	1·8	—	24	1	30	42·7	+0·8	—	—
4. MIDLAND COUNTIES.																							
h Harrogate	479	52	27th	31	25th	46·4	35·4	41·1	+4·0	7	1·86	47	+31	Harrogate	2·3	+1·2	32	3	28	40·9	+0·8	43·7	+1·7
a North *p* Sheffield	429	55	28th	34	26th	49·4	37·3	43·6	—	6	2·67	68	—	Sheffield	2·2	+1·2	30	1	29	40·3	+0·4	44·6	+0·7
p Buxton	987	49	30th	33	25, 26	43·6	35·1	39·5	+3·7	6	2·48	63	+32	Buxton	1·0	—	13	2	25	39·2	+0·2	43·9	+0·4
a Worksop	56	57	27th	29	26th	51·3	35·0	43·5	+5·6	6	0·80	20	+ 7	Worksop	2·2	+1·4	31	6	20	40·7	—	44·6	—
t Nottingham	82	56	28th	29	26th	49·0	37·7	43·6	+5·3	6	0·91	23	+10	Nottingham	1·5	+0·7	20	6	25	39·8	+0·5	43·1	+0·7
b, East *p* Birmingham, Edgbas	525	56	28th	32	26th	49·9	36·3	43·4	+5·2	4	0·78	20	+ 5	Birmingham	1·8	+1·0	24	3	24	42·4	+0·7	47·5	+1·6
a Raunds	213	59	27th	28	26th	52·1	34·9	43·8	+6·6	6	0·64	16	+ 3	Raunds	3·0	—	41	2	25	42·4	—	—	—
p Oxford	208	57	28th	26	26th	51·1	35·9	43·8	+4·8	5	0·51	13	− 1	Oxford	2·3	+1·0	29	4	21	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
a Cheadle (N. Staffs.)	646	54	27th	30	26th	48·6	35·3	42·2	+5·3	5	1·29	33	+15	Cheadle	—	—	—	5	19	—	—	—	—
c, West *p* Tenbury	313	56	28th	25	26th	50·9	35·6	43·6	+4·4	5	0·73	19	+ 7	Tenbury	—	—	—	3	22	41·9	—	—	—
a Hereford	291	57	27th	28	26th	52·1	36·1	44·4	+5·7	4	0·59	15	+ 1	Ross on Wye	2·7	—	35	2	20	41·8	—	46·4	—
a Clifton	225	55	27, 28	31	26th	51·0	38·4	45·0	+4·7	6	0·91	23	+ 2	Clifton	2·0	—	26	1	30	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	52	26, 28, 30	25	26th	50·9	33·6	42·6	+4·5	7	0·85	22	+ 4	Worthing	2·0	+0·5	25	3	26	43·5	+1·1	48·2	+1·4
a Porton	340	55	27th	30	26, 27	51·5	35·4	43·8	—	4	0·49	12	—	Marlborough	2·2	+1·2	28	4	21	43·2	—	48·2	—
a Wisley, Surrey	150	58	30th	25	26th	53·9	35·3	45·0	+5·9	6	0·50	13	0	Porton	—	—	—	0	34	42·1	—	—	—
h Tunbridge Wells	354	55	28th	27	26th	49·4	37·3	43·6	+4·5	6	0·69	18	0	Wisley, Surrey	2·2	+1·1	29	4	18	42·2	+0·6	46·7	+1·3
h Margate	51	57	28th	30	26th	50·6	38·3	44·7	+4·4	5	0·36	9	− 3	Tunbridge Wells	1·3	+0·2	17	4	20	43·3	+2·3	47·2	—
														Margate	0·6	+0·5	8	2	27	43·5	+0·3	47·6	+1·5
t Dungeness	21	54	28th	28	26th	50·0	38·9	44·7	+4·0	6	0·87	22	+ 8	Folkestone	1·0	—	13	1	30	—	—	49·0	—
h St. Leonards	178	54	28th	34	25, 26	49·4	39·7	44·7	+3·9	6	0·81	21	+ 5	St. Leonards	1·8	+0·3	23	1	28	43·1	—	47·8	—
p Southampton	64	56	28th	30	26th	51·9	37·9	45·2	+4·3	6	0·77	20	+ 1	Southampton	1·5	+0·2	19	3	22	—	—	—	—
a Ventnor	59	54	27, 28	33	25th	52·0	40·6	46·5	+3·6	7	0·70	18	+ 1	Ventnor	1·7	+0·2	21	—	—	—	—	—	—
LONDON *t* Richmond (Kew Obs.)	18	57	28th	31	26th	50·3	40·2	45·5	+5·9	5	0·53	13	+ 1	Richmond	1·8	+0·8	24	2	26	41·9	+0·4	47·5	+1·7
a Westminster	27	58	27, 28	31	26th	50·0	37·1	45·4	+4·9	6	0·36	9	− 2	Westminster	1·1	+0·7	15	4	26	—	—	—	—
ag Greenwich	149	57	27, 28	29	26th	52·3	36·6	44·8	+5·5	5	0·39	10	− 2	Greenwich	1·2	+0·3	15	5	28	—	—	—	—
a Hampstead	450	55	28th	30	26th	48·4	36·4	42·6	—	5	0·46	12	—	Hampstead	1·8	—	23	5	19	—	—	—	—
ag Camden Square	110	57	27th	30	26th	52·0	36·4	44·5	+4·9	5	0·43	11	− 2	Camden Square	—	—	—	2	22	42·7	—	46·7	—
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	49	30th	32	29th	45·1	37·3	41·4	+3·1	7	2·14	54	+33	Aspatria	0·9	− 0·1	13	2	30	42·5	+1·7	46·1	+1·5
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	52	26, 30	31	25th	49·7	37·0	43·6	+5·3	6	2·87	73	+48	Stonyhurst	1·4	+0·6	19	1	29	—	—	—	−3
h Blackpool	66	52	26th	35	26th	47·9	40·9	44·5	+5·2	7	2·10	53	+37	Blackpool	1·7	+0·7	23	1	25	44·2	—	47·5	—
h Southport	37	54	26th	38	25, 26	48·0	41·2	44·7	+5·3	6	1·99	51	+35	Southport	1·6	+0·6	22	1	27	41·0	+1·7	44·5	+2·0
														Hoylake	2·2	+1·1	31	—	—	—	—	—	—
t Liverpool (Bidston)	188	57	27th	35	26th	51·9	39·3	45·9	+5·8	7	1·44	37	+24	Liverpool	1·9	—	26	0	31	—	—	—	—
a Hawarden Bridge	22	56	27th	33	26th	51·9	39·9	46·1	+5·4	6	1·10	28	+17	Manchester City	0·6	+0·4	9	1	29	41·5	+1·2	46·2	+1·6
p Manchester (Whit. Pk.)	125	55	28th	31	26th	50·0	37·6	44·1	+4·5	5	1·89	48	+32	„ Whit. Pk.	0·8	+0·5	11	—	—	—	—	—	—
b. NORTH WALES.																							
h Llandudno	22	55	30th	36	26th	49·0	41·7	45·5	+3·4	5	1·24	32	+16	Llandudno	1·7	+0·6	24	—	—	—	—	—	—
t Holyhead	15	54	26th	40	26th	48·9	43·9	46·5	+4·0	4	1·46	37	+17	Holyhead	1·5	—	20	1	28	—	—	—	—
a Aberdovey	60	53	27th	36	25th	51·1	42·9	47·0	—	6	1·69	43	—	Aberdovey	1·6	+ 0·5	22	—	—	—	—	—	—

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "*t*" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. At stations marked *g* a Glaisher stand is used. † Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.* In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the week		Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine Hours per Day Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature Grass Min. Ground Frosts	Grass Min. Lowest Reading	Earth 1 ft. Mean	Earth 1 ft. Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. SOUTH WALES.																							
h Aberystwyth	16	54	26th	36	26th	49·7	42·7	46·3	—	5	1·29	33	—	Aberystwyth	1·4	+0·4	19	—	—	—	—	—	—
a Rhayader	757	54	27th	26	26th	49·1	37·0	43·3	—	6	2·17	55	—	Rhayader	1·8	—	24	1	14	—	—	—	—
t Pembroke	149	54	28, 30	43	26, 31	51·4	45·9	48·8	+4·9	7	0·76	19	− 6	Pembroke	2·1	+1·0	27	—	—	—	—	—	—
p Cardiff	202	53	27, 30	33	26th	50·4	37·4	44·2	+4·1	7	1·01	26	− 1	Cardiff	2·3	—	30	2	24	43·7	+1·8	47·6	+1·9
b, ENGLAND, S.W.																							
h Bath	66	55	30th	26	26th	51·3	38·6	45·2	+5·0	6	0·60	15	− 3	Bath	2·0	+0·9	26	—	—	44·0	+1·2	48·2	+1·4
a Shaftesbury	722	53	27th	30	25th	50·0	35·9	43·2	+4·6	7	0·92	23	+ 3	Shaftesbury	—	—	—	—	—	42·7	—	47·3	—
a Arlington	613	51	26, 28, 30	32	26th	50·6	38·5	44·8	+4·6	7	1·67	42	+ 6										
h Newquay	190	55	27th	37	26th	52·5	44·4	48·6	+3·9	7	0·69	18	− 6	Newquay	1·3	0·0	16	—	—	48·7	—	51·5	—
a Cullompton	202	57	27th	28	25, 26	53·3	35·9	45·0	+4·4	7	1·04	26	+ 2	Cullompton	1·6	+0·6	20	4	22	45·4	—	—	—
t Portland Bill	19	54	25, 28	40	26, 31	53·1	42·9	48·2	+4·4	6	0·54	14	− 2	Weymouth	1·8	—	22	—	—	—	—	—	—
p Plymouth	116	55	28th	33	26th	52·6	41·7	47·4	+4·0	6	0·66	17	− 10	Plymouth	1·5	+0·2	19	1	28	46·3	+1·5	50·3	—
t Falmouth	167	55	27, 28	37	26th	52·6	44·0	48·5	+4·1	7	1·40	36	+ 2	Falmouth	1·6	+0·2	20	0	31	47·3	—	50·5	—
9. IRELAND, N.																							
t Malin Head	208	53	30th	40	28, 29, 31	47·6	41·0	44·4	+2·7	7	1·53	39	+21	Malin Head	0·6	—	8	—	—	—	—	—	—
a, West *t* Blacksod Point	10	—	—	—	—	—	—	—	—	—	—	—	—										
a Mallarany	120	56	30th	36	28th	51·7	39·6	45·9	—	7	2·39	61	—	Mallarany	1·2	—	17	0	32	—	—	—	—
p Markree Castle	122	55	26th	34	25, 27, 28	49·6	36·0	43·1	+3·1	7	1·49	38	+12	Markree Castle	1·4	+0·5	20	3	29	45·1	+2·9	48·9	+2·9
p Armagh	204	54	26th	35	29th	47·4	37·4	42·6	+2·8	7	1·58	40	+23	Armagh	1·8	+0·8	25	0	33	43·6	+2·2	47·5	+2·7
b, East *t* Donaghadee	35	55	26th	36	29th	48·4	39·1	43·9	+2·7	7	0·70	18	+ 1										
														Trinity Coll.	—	—	—	—	—	44·3	+2·2	48·0	+2·8
														Phœnix Park	2·5	+1·1	34	1	28	—	—	—	—
10. IRELAND, S.														Dublin City	—	—	—	0	33	—	—	—	—
p Dublin City	54	57	26th	38	29th	51·1	39·4	45·5	+3·1	5	1·56	40	+25										
t Birr Castle	175	56	26th	35	26th	48·3	39·4	44·0	+3·5	7	2·28	58	+38	Birr Castle	1·8	+0·6	24	1	27	—	—	—	—
a Kilkenny	195	56	26, 27	29	26th	53·0	36·0	44·8	+4·2	4	0·53	14	− 7										
a Waterford	137	57	27th	36	25th	53·6	39·0	46·6	+4·0	6	0·61	15	− 12										
p Seskin, Carrick-on-Suir	542	56	28th	35	25, 29	51·0	37·6	44·6	—	6	0·82	21	—	Seskin	2·1	—	28	1	?27	—	—	—	—
a Foynes	50	56	26, 27	38	26th	53·6	41·0	47·6	+4·9	7	1·83	47	+19										
t Cahirciveen (Val. Obs.)	30	56	26th	43	29th	50·6	46·6	48·7	+3·5	7	1·63	41	+ 2	Cahirciveen	1·0	− 0·2	13	0	39	—	—	—	—
t Killarney	174	58	27th	39	26th	55·8	42·0	49·2	+5·8	7	1·51	38	+ 5	Ballinacurra	1·5	+0·3	20	—	—	—	—	—	—
t Roche's Point	32	55	30th	40	29th	50·4	43·9	47·3	+2·9	6	0·48	12	− 19										
11. ENGLISH CHANNEL.																							
t Scilly, St. Mary's	131	55	28, 30	45	26, 29	53·1	47·4	50·4	+3·8	7	0·77	20	− 3	Scilly	0·8	− 0·9	10	—	—	—	—	—	—
t Jersey, St. Aubins	25	56	28th	37	26th	53·0	45·4	49·4	+5·3	6	0·98	25	+ 3	St. Heliers	1·2	− 0·6	15	—	—	—	—	—	—
p Guernsey†	173	56	28th	36	26th	53·4	44·4	49·1	+4·8	7	0·90	23	− 1	Guernsey	1·3	− 0·3	16	0	31	47·3	+1·4	50·7	+1·9

* See footnote to previous page. † All the Guernsey Observations now refer to the States station at Grange, St. Peter Port.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 31st, 1921.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind. ‡‡ More than 17 m/s. or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hour.	m/s.	d.	h.
0. SCOTLAND, N.																		
**Deerness (Cup Anr.)	148	16	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	0	—	0	13	123	32	0	340	10	30	21	24	30	20
Aberdeen (Cup Anr.)	120	72	12	—	0	30, 31	6	51	99	12	0	340 / 320	13	30 / 31	21 / 2	—	—	—
Edinburgh	485	39	31	30	4	26, 27, 30, 31	34	114	16	0	0	200	19	30	6	33	30	5
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	30	1	26 to 31	43	81	33	10	0	350	19	30	22	28	30	21
Paisley	188	81	15	—	0	30	7	86	72	3	0	320	12	30	23	30	30	13
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	0	30, 31	7	62	94	5	0	330	16	30	22	30	30	22
South Shields	72	61	12	—	0	27 to 31	30	99	31	8	0	360	17	30	23	29	27	12
Spurn Head	67	41	‡	30, 31	7	26 to 31	76	65	20	0	0	330	23	31	1	33	31	0
3. ENGLAND, E.																		
Gorleston	52	42	‡	31	3	26 to 28, 30, 31	33	96	36	0	0	350	19	31	2	29	31	1
Shoeburyness	103	90	‡	—	0	26 to 28, 30, 31	40	92	32	4	0	340	14	31	3	26	31	2
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	0	26 to 28, 30, 31	35	53	66	14	0	270	15	30	18	29	30	18
5. ENGLAND, S.E.																		
Brighton	261	53	6	—	0	27, 28, 30, 31	30	77	53	8	0	—	14	30	19	24	30	19
Larkhill, S'y Plain	513	63	43	28, 30, 31	14	26 to 31	41	72	32	1	8	260	20	30	22	30	30	18
Richmond (Kew Obs.)	82	65	22	—	0	27, 28, 30	11	72	66	19	0	260	12	30	19	26	30	19
7. ENGLAND, N.W.																		
Fleetwood (Cup Anr.)	109	44	—	28 to 31	20	28 to 31	48	78	22	0	0	270	23	30	18	—	—	—
Southport	80	62	48	28 to 31	34	25 to 31	82	38	19	0	0	260	23	30	20	32	30	19
Holyhead	60	40	‡	28, 30, 31	18	26 to 31	87	52	11	0	0	300	26	30	22	34	30	19
8. ENGLAND, S.W.																		
Pendennis Castle§	256	65	24	26 to 28, 30	38	25 to 31	47	57	12	10	4	250	24	28	4	31	28	3
Plymouth	185	88	2	—	0	26 to 28, 30, 31	33	65	61	9	0	—	15	26	23	28	30	17
Lyme Regis	556	61	‡	—	0	26, 28, 30	11	72	74	11	0	—	14	30	18	22	30	18
10. IRELAND, S.																		
Kingstown (Cup Anr.)	49	27	—	30	7	26 to 31	78	60	20	2	0	250	23	30	19	—	—	—
Quilty	100	40	‡	27, 28, 30	17	26 to 31	75	39	5	0	32	—	20	30	17	32	30	14
Cahirciveen (Val. Obs.)	98	41	‡	27, 28, 30	7	26 to 30	59	71	31	0	0	230	19	28	1	31	30	15
Weaver Pt.	160	30	‡	28	1	26 to 30	29	87	51	0	0	—	18	28	1	28	28	1
11. ENGLISH CHANNEL.																		
Scilly (Cup Anr.)	150	19	—	28, 30, 31	22	25 to 31	70	47	16	4	0	260	23	30	23	—	—	—

‡‡ More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [*Vide* Guide to Tables of the W.W.R.] * Above tops of trees.

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1921—December 25th to December 31st, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	53	29	79·3	74·3	76·9	+0·1	4	− 3	24	− 9	7	+2	3·67	93	+61	—	—	—	997
Eastern.																			
1. SCOTLAND, EAST ..	54	28	79·7	74·3	77·1	+1·1	6	0	25	− 17	6	+2	1·49	38	+22	2·0	+1·1	36	1001
2. ENGLAND, N.E. ..	55	29	82·2	75·6	79·0	+2·3	21	+13	15	− 18	5	+1	0·68	17	+ 6	2·9	+1·7	39	1010
3. ENGLAND, EAST ..	59	25	82·9	75·0	79·1	+2·6	25	+17	18	− 17	6	+2	0·67	17	+ 5	2·2	+1·1	29	1015
4. MIDLAND COUNTIES	59	25	83·1	75·3	79·3	+2·8	26	+16	17	− 20	5	+1	0·90	23	+ 8	2·1	+1·1	28	1015
5. ENGLAND, S.E. ..	58	25	83·5	76·3	80.1	+2·5	30	+16	11	− 16	6	+2	0·68	17	+ 1	1·6	+0·4	21	1018
Western.																			
6. SCOTLAND, WEST ..	54	31	81·7	75·9	78·9	+1·5	18	+ 7	13	− 16	7	+2	2·62	67	+37	—	—	—	1006
7. ENGLAND, N.W. ..	57	31	82·6	77 3	80·1	+2·7	25	+13	6	− 21	6	+2	1·77	45	+26	1·6	+0·7	22	1013
8. ENGLAND, S.W. ..	57	26	83·8	77·3	80·7	+2 2	33	+16	6	− 13	7	+2	1·08	27	0	1 7	+0.5	21	1018
9. IRELAND, NORTH ..	56	34	82·1	76·7	79·4	+1·5	21	+ 7	10	− 11	7	+2	1·52	39	+17	1·6	+0·6	22	1007
10. IRELAND, SOUTH ..	58	29	84·2	77·9	81 2	+2·2	36	+15	3	− 14	6	+1	1·30	33	+ 5	1·7	+0 4	23	1017
11. ENGLISH CHANNEL..	56	26	84·8	80·6	82·8	+2·4	53	+24	0	− 6	7	+2	0·88	22	− 1	1·1	− 0·6	14	1022
MEAN: DISTRICTS 1-10	59	25	82·6	76·2	79·5	+2·1	24	+12	13	− 16	6	+2	1·27	32	+13	1·9	+0·8	26	1012

THE SEASON (Winter).—Aggregates, &c., for the Period of 5 Weeks, November 27th to December 31st, 1921.

SCOTLAND, NORTH ..	56	18	80·8	75·6	78·3	+ 1·3	66	+19	81	− 61	28	+1	9·61	244	+65	—	—	—	1006
Eastern.																			
1. SCOTLAND, EAST ..	58	11	80·9	75·4	78·2	+ 1·8	68	+25	91	− 88	24	+3	3·28	83	− 5	1·4	+ 0·3	20	1009
2. ENGLAND, N.E. ..	58	22	81·9	76·3	79·2	+ 1·9	102	+49	61	− 76	19	− 1	1·69	43	− 24	1·6	+·0·4	22	1015
3. ENGLAND, EAST ..	59	19	81·5	75·7	78·7	+ 1·3	93	+31	84	− 60	18	− 3	1·63	41	− 26	1·5	+ 0·1	19	1017
4. MIDLAND COUNTIES	59	20	81·9	76·0	79·0	+ 1·8	100	+36	71	− 86	20	− 1	2·26	58	− 21	1·2	0·0	15	1017
5. ENGLAND, S.E. ..	59	25	82·0	76·8	79·5	+ 1·2	111	+20	51	− 53	19	− 1	2·02	50	− 40	1·3	− 0·2	16	1018
Western.																			
6. SCOTLAND, WEST ..	55	21	82·2	76·7	79·6	+ 1·7	111	+44	45	− 65	28	+4	7·42	189	+30	—	—	—	1012
7. ENGLAND, N.W. ..	57	26	82·4	77·5	80·0	+ 2·0	120	+48	28	− 78	26	+3	4·39	112	+ 3	1·2	+ 0·1	16	1015
8. ENGLAND, S.W. ..	57	25	82·9	78·0	80·5	+ 1·4	144	+36	19	− 55	25	+1	3·09	78	− 64	1·2	− 0·3	15	1018
9. IRELAND, NORTH ..	56	28	83·1	78·5	80 8	+ 2·5	160	+82	16	− 81	29	+3	4·21	107	− 8	1·0	− 0·2	13	1012
10. IRELAND, SOUTH ..	59	28	84·2	79·3	81·8	+ 2·6	210	+92	3	− 72	25	0	3·66	93	− 39	1·2	− 0 3	15	1017
11. ENGLISH CHANNEL..	58	36	84·2	81·0	82·7	+ 1·7	261	+86	0	− 19	25	− 1	2·64	67	− 57	1·0	− 0·8	13	1020
MEAN: DISTRICTS 1-10..	59	11	82·3	77·0	79·7	+ 1·8	122	+46	47	− 71	23	+1	3·37	85	− 19	1·3	0·0	17	1015

THE YEAR. Aggregates, &c., for the Period of 52 Weeks, January 2nd to December 31st, 1921.

0. SCOTLAND, NORTH ..	81	16	84·5	78·2	81·2	+ 0·6	2268	+160	487	−288	234	−12	54·34	1381	+80	—	—	—	1012
Eastern.																			
1. SCOTLAND, EAST ..	84	8	85·3	77·8	81·4	+ 0·7	2494	+169	630	−287	195	−12	27·00	685	−104	4·0	+ 0·4	33	1014
2. ENGLAND, N.E. ..	92	15	86·9	79·3	83·0	+ 1·4	3311	+624	381	−293	154	−34	17·97	461	−170	4·4	+ 0·4	36	1017
3. ENGLAND, EAST ..	91	19	87·9	79·6	83·6	+ 1·4	3761	+672	381	−325	125	−59	13·45	343	−262	5·0	+ 0·7	41	1018
4. MIDLAND COUNTIES	93	13	87·9	79·1	83·3	+ 1·4	3591	+609	426	−346	144	−39	18·32	469	−209	4·4	+ 0·6	36	1018
5. ENGLAND, S.E. ..	91	14	88·3	80·3	84·1	+ 1·3	3946	+612	287	−245	128	−51	12·84	352	−348	5·1	+ 0·6	42	1019
Western																			
6. SCOTLAND, WEST ..	82	19	85·9	79·2	82·4	+ 0·8	2983	+392	333	−264	216	− 2	49·31	1253	+53	—	—	—	1016
7. ENGLAND, N.W. ..	89	18	86·7	80·0	83·2	+ 1 2	3374	+545	253	−285	179	−22	30·08	767	−130	4·4	+ 0·5	36	1017
8. ENGLAND S.W. ..	89	11	87·8	80·5	84·0	+ 1·3	3825	+644	190	−224	160	−42	23·63	601	−394	4·8	+ 0·5	39	1019
9. IRELAND, NORTH ..	86	23	86·6	80·0	83·2	+ 1·3	3275	+566	189	−304	221	−18	34·21	868	−103	3·5	0·0	28	1016
10. IRELAND, SOUTH ..	90	21	87·6	80·8	84·1	+ 1·3	3813	+653	139	−242	210	− 4	32·84	837	−182	3·9	− 0·1	32	1018
11. ENGLISH CHANNEL..	87	30	88·3	82·8	85·7	+ 1·5	4570	+757	29	− 98	157	−54	17·92	456	−383	5·5	+ 0·4	45	1019
MEAN: DISTRICTS 1-10 ..	93	8	87·1	79·7	83·2	+ 1·2	3437	+549	321	−281	173	−28	26·07	664	−185	4·4	+ 0·4	36	1017
	°F.	°F.	a.	a.	a.	a.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

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6th January, 1922.

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